Oracle® Insurance Accounting Analyzer Extension Pack

User Guide

Release 8.1.2.8.0
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Oracle Insurance Accounting Analyzer Extension Pack User Guide, Release 8.1.2.8.0

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Primary Authors: (primary author), (primary author)

Contributing Authors: (contributing author), (contributing author)

Contributors: (contributor), (contributor)

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About the Guide

This section provides release information for the Oracle Insurance Accounting Analyzer Extension Pack Application

Intended Audience

This document is intended for users of the Oracle Insurance Accounting Analyzer Extension Pack Application.

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info

Related Information Sources

You can access the following online documents from the Oracle Help Center (OHC) Documentation Library for the Oracle Insurance Accounting Analyzer Extension Pack Application :

- Oracle Insurance Accounting Analyzer Extension Pack Release Notes
- Oracle Insurance Accounting Analyzer Extension Pack Installation Guide
- Oracle Insurance Accounting Analyzer Extension Pack User Guide

You can access the OFS AAI documentation online from the OHC Documentation Library for Oracle Financial Services Analytical Applications Infrastructure:

- Oracle Financial Services Analytical Applications Infrastructure Installation and Configuration Guide
- Oracle Financial Services Analytical Applications Infrastructure User Guide

The additional documents are:

- OFSAA Licensing Information User Manual Version 8.1.2.0.0
- OFS Analytical Applications Infrastructure Security Guide
- OFS Analytical Applications 8.1.x Technology Matrix
- Oracle Insurance Accounting Analyzer Extension Pack Security Guide Release 8.1.x
- Oracle Insurance Accounting Analyzer Extension Pack Cloning Guide Release 8.1.x

About Oracle Financial Services Analytical Applications (OFSAA)

In turbulent markets today, financial institutions require a better understanding of their risk-return while strengthening their competitive advantage and enhancing long-term customer value. Oracle Financial Services Analytical Applications (OFSAA) enable financial institutions to measure and meet risk-adjusted performance objectives, cultivate a risk management

culture through transparency, lower the costs of compliance and regulation, and improve insight into customer behavior.

OFSAA uses industry-leading analytical methods, shared data models, and application architecture to enable integrated risk management, performance management, customer insight, and compliance management. OFSAA actively incorporates risk into decision-making, enables you to achieve a consistent view of performance, promotes a transparent risk management culture, and provides pervasive intelligence.

Oracle Financial Services Analytical Applications delivers a comprehensive, integrated suite of financial services analytical applications for both banking and insurance domains.

About Oracle Financial Services Analytical Applications Infrastructure (OFS AAI)

Oracle Financial Services Analytical Applications Infrastructure (OFS AAI) powers the Oracle Financial Services Analytical Applications family of products to perform the processing, categorizing, selection, and manipulation of data and information required to analyze, understand and report on specific performance, risk, compliance, and customer insight issues by providing a strong foundation for the entire family of Oracle Financial Services Analytical Applications across the domains of Risk, Performance, Compliance, and Customer Insight.

About Oracle Insurance Accounting Analyzer Extension Pack Application

Oracle Insurance Accounting Analyzer Extension Pack comes with a lot of features that will enable insures to not just achieve IFRS 17 compliance but also:

- Perform a detailed and granular analysis of change of their insurance liabilities using the extension pack calculation templates and reports.
- Provide a framework to build on the existing calculation templates i.e, modify the templates as per their needs using a friendly user interface.
- Provide a framework to build on the existing reports i.e, modify the reports as per their needs using a friendly user interface.
- Perform premium earnings computations applying methods commonly used in the industry.
- Perform conversion of IBNR, and IBNER reserves from AY basis to UY basis and allocate the reserves to the insurance-group level.
- Compute UPR, URR and generate future claim payments using claim payment patterns.
- Perform reinsurance settlement computations for outward reinsurance.

2

Understanding Oracle Insurance Accounting Analyzer Extension Pack

This section provides information and the functional flow of the Application.

Logging in to the Oracle Insurance Accounting Analyzer Extension Pack Application

To log in to the Oracle Insurance Accounting Analyzer Extension Pack Application, perform the following steps:

1. Access the Oracle Insurance Accounting Analyzer Extension Pack Application by using the login credentials (User ID and Password) provided and select the preferred language to navigate. The built-in security system ensures that you are only permitted to access the window and actions based on the authorization.
2. After logging in to the OFSAA Home screen, the landing page is displayed.
   Use the information provided in the following table to set the application preferences.

Table 2-1 The Application Preferences

Field	Description
User Menu	The following options are available in this drop-down: • Preferences • About • Change Password • Log Out.
Application	Click this icon to view all the applications installed in your environment.
Language	This menu displays the language you selected in the OFSAA Login window. The language options displayed in the Language Menu are based on the language packs installed in your OFSAA instance. Using this menu, you can change the language at any point in time.
Administration	Click this icon to navigate to the Administration window. The Administration window displays modules such as: • Translation Tools • Object Administration • Utilities.
Last Failed Login Date & Time	Click this icon to view the details of the last login and the last failed login.

Table 2-1 (Cont.) The Application Preferences

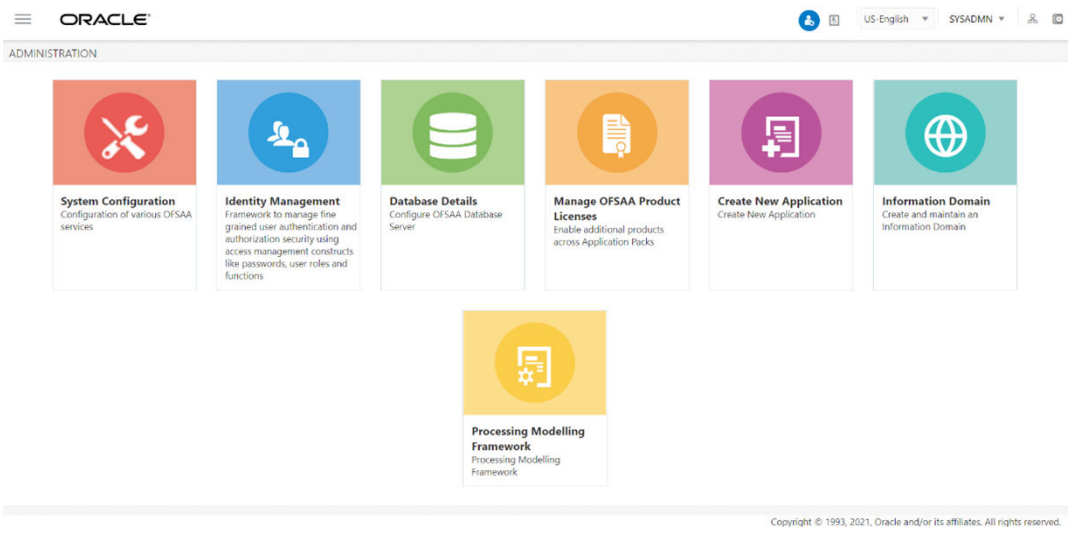
Field	Description
Object Administration	Object Administration is an integral part of the infrastructure and facilitates system administrators to define the security framework. See the OFS Advanced Analytics Infrastructure User Guide for details.
Common Object Maintenance	Common Object Maintenance is an integral part of the infrastructure system and facilitates system administrators to define the security framework with the capacity to restrict access to the data and metadata in the warehouse, based on a flexible, fine-grained access control mechanism. See the OFS Advanced Analytics Infrastructure User Guide for details.

Mapping the User Groups

Before configuring the Calculation Preference templates, you must map the users' groups:

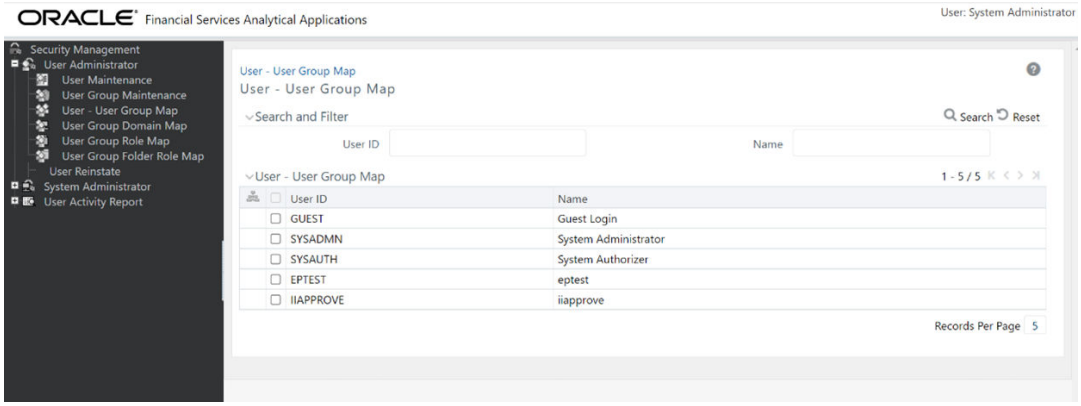
1. Log in as a System Administrator.
2. On the landing page, select **Identity Management**.

Figure 2-1 The Landing Page



3. Click **User – User Group Map** from the LHS menu to open the **User – User Group Map** page.

Figure 2-2 The User – User Group Map Page



4. Map the desired users to the **IAAEP Application Analyst Group** and **IAAEP Application Admin Group.** For more information on User – User Group Mapping, see the **User-User Group Map** section in the OFS Advanced Analytics Infrastructure User Guide.
5. Log in as a System Authorizer.
6. Navigate to **Identity Management**, click **User Group Authorization,** and authorize the user groups.

3

Oracle Insurance Accounting Analyzer Extension Pack Workflow

This chapter provides the functional as well as a business overview of the Oracle Insurance Accounting Analyzer Extension Pack workflow. The Extension Pack, as the name suggests, is an extension of Oracle Insurance Accounting Analyzer, therefore the features that are available on Oracle Insurance Accounting Analyzer are also available on the Extension Pack. Refer to the user guide of for the features that are common to both.

Application Configuration

Use the application configuration screen to configure the Seeded Data in the **setup_master** table. The changes made to this table in the **Application Configuration** window have an impact on the insurance cash flow loader, the discounting engine, and the liability calculation run.

Access Application Configuration

You can access the Application Configuration window by clicking the Application Configuration element from the left pane in the application. When you click this element, the Application Configuration window appears:

Figure 3-1 The Application Configuration window

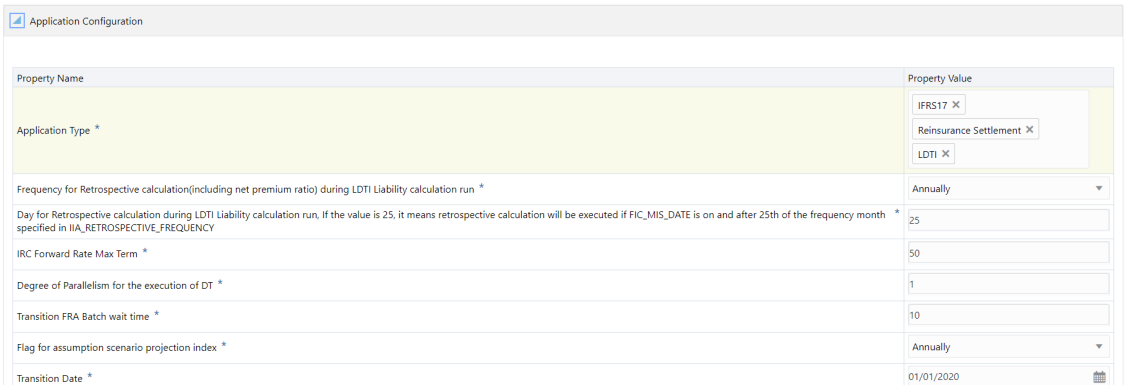
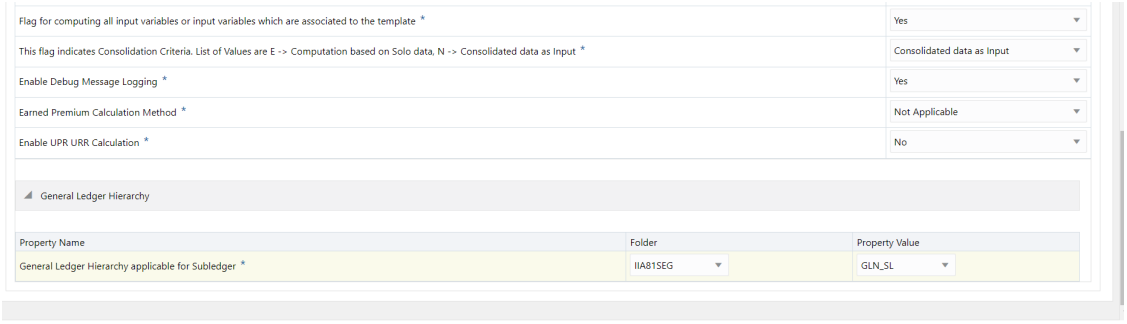


Figure 3-2 The Application Configuration window (continued)



This window displays the current configuration for the seeded data in the **setup_master** table. After you modify the values in the **ApplicationConfiguration** pane, you can save your changes.

Configure the Seeded Data

Perform the following steps to modify the seeded data in the **Application Configuration** window:

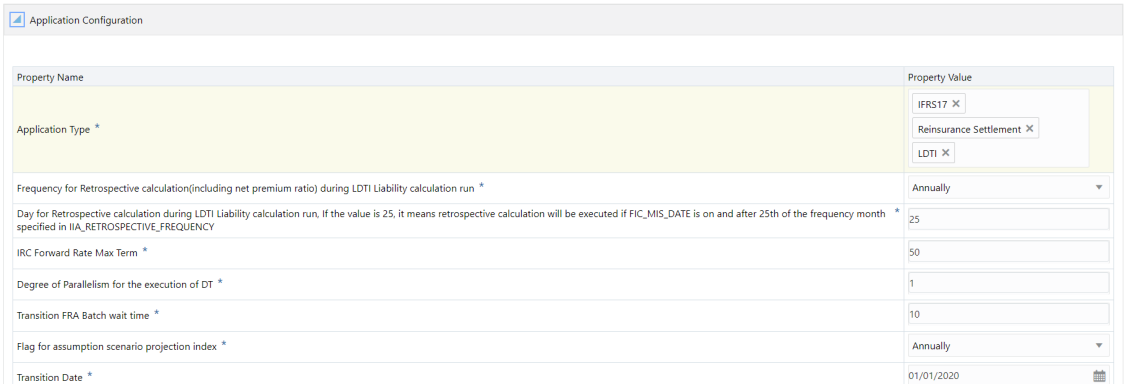
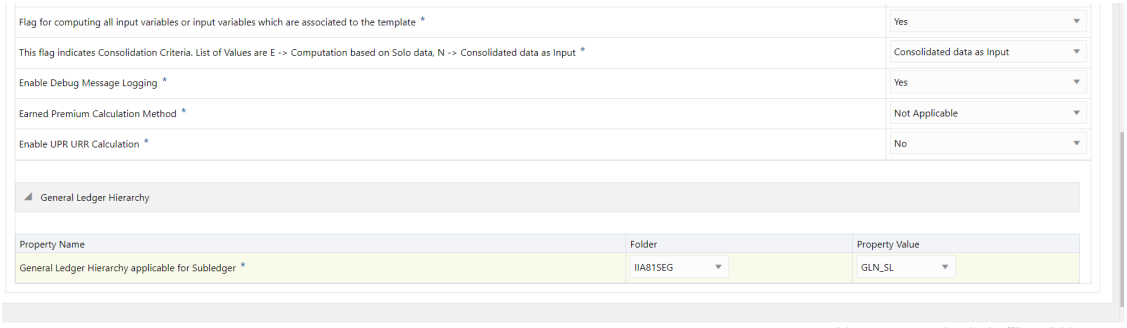


Figure 3-3 Application Configuration Page Continued



1. Populate the **Application Configuration** Form as tabulated.

Table 3-1 The Application Configuration Form

Property Name	Description
Fields marked with an ***** *are mandatory*	
Application Type*	Select the Application Type from the drop-down list. Available options are: • IFRS17 • LDTI • Reinsurance Settlement
Frequency for Retrospective calculation(including net premium ratio) during LDTI Liability calculation run*	Specify the frequency at which the LDTI calculation run needs to be executed retrospectively for the past data. This must also be provided as an input at the same frequency. Select the required frequency from the drop-down list. Available options are: • Annually • Half Yearly • Monthly • Quarterly
Day for Retrospective calculation during LDTI Liability calculation Run, If the value is 25, it means retrospective calculation will be executed if FIC_MIS_DATE is on and after the 25th of the frequency month specified in IIA_RETROSPECTIVE_FREQUENCY*	Enter a value in this field.
IRC Forward Rate Max Term*	Enter a value in this field. This is the maximum term until which the Forward Rates are computed.
Degree of Parallelism for the execution of DT*	Enter a value in this field. The degree of parallelism is the number of parallel execution servers associated with a single operation.
Transition FRA Batch wait time*	Enter a value in this field.
Flag for assumption scenario projection index*	Specify the frequency at which IFRS17 onerous and onerous/what-if scenario projections need to be executed for onerosity testing. Select the required Frequency Flag from the drop-down list. Available options are: • Annually • Half Yearly • Monthly • Quarterly
Transition Date*	Use this field to specify the transition date that must be used for the Transitionary Balance Computations by using the Transition Calculation Templates Click **Calendar** in this field and select the transition date from the calendar.
Flag for computing all input variables or input variables that are associated with the template*	Select either *Yes* or *No*. This flag indicates whether the Discounting Engine must compute all Input Variables (“Yes” option) or only the Input Variables that are referred to in the templates (“No” option) used in the Liability Calculation runs.

Table 3-1 (Cont.) The Application Configuration Form

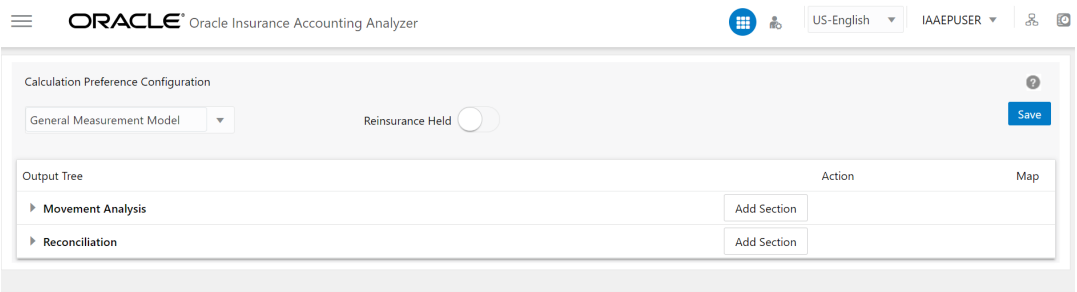
Property Name	Description
This flag indicates Consolidation Criteria. List of Values are E -> Computation based on Solo data, N -> Consolidated data as Input*	Depending on the value selected in this field, the default Run Type is displayed in the Aggregation Level window : • **Consolidated data as Input**: If this option is selected, then the new flow of solo or consolidated is executed,where the data for solo or consolidated level cohorts are given as input, and the **Run Type** under "Level of Aggregation" definition screen should be selected accordingly. Solo or Consolidated cohorts are identified based on the value of **n_cohort_cons_type** in **Stg_Ins_Group_Dimension_Map**. The value *0* indicates a *Solo* cohort and the value *1* indicates *Consolidated* cohorts. If the Run Type is *Solo*, then only Solo cohorts are selected for computation. If the Run Type is *Consolidated* then only Consolidated cohorts are selected for computation. • **Computation based on Solo data:** If this option is selected, then the existing flow is executed where the child-level entity-linked cohorts are fetched for the group entity run. The inter-company executions for reinsurance issued and held are netted off. The value of **n_cohort_cons_type** in **Stg_Ins_Group_Dimension_Map** is not considered when this option is selected. **Note:** In the Aggregation Level screen, when creating a new Level of Aggregation Definition, the default **RunType** is *Solo* and this field is disabled. In case the **RunType** was selected as *Consolidated* for an LOA, then this field is disabled when you try to modify an LOA.
Enable Debug Message Logging*	Select either *Yes* or *No*.
Earned Premium Calculation Method	Select a value from the drop-down list: • Not Applicable • 1/24th • 1/365th • Earn Premium Pattern Earned Premium batches must be executed on monthly basis for earned premium computations.
Enable UPR URR Calculation	Select *Yes* from the drop-down list to allow the application to calculate URR. Select *No* to provide URR cashflows as an input.
General Ledger Hierarchy pane	
General Ledger Hierarchy applicable for Subledger*	This is the Ledger Account Hierarchy that is used by the Subledger Definition Select a folder and a property value from the **Folder** and **PropertyValue** Columns, respectively.

Calculation Preference Configuration

Perform the following steps to configure the Calculation Preference Templates:

1. From the Oracle Insurance Accounting Analyzer Extension Pack Landing page, select **Oracle Insurance Accounting Analyzer** on the OFSAA Landing page, and then select **Calculation Preference Configuration** to open the **Extension Pack Template** page.

Figure 3-4 The Calculation Preference Configuration Page



2. Select a calculation method from the drop-down list. The available options are:

> **Note:**
>
> Depending on the selections made from the **Application Type** field on the **Application Configuration** screen, the methods will appear accordingly.

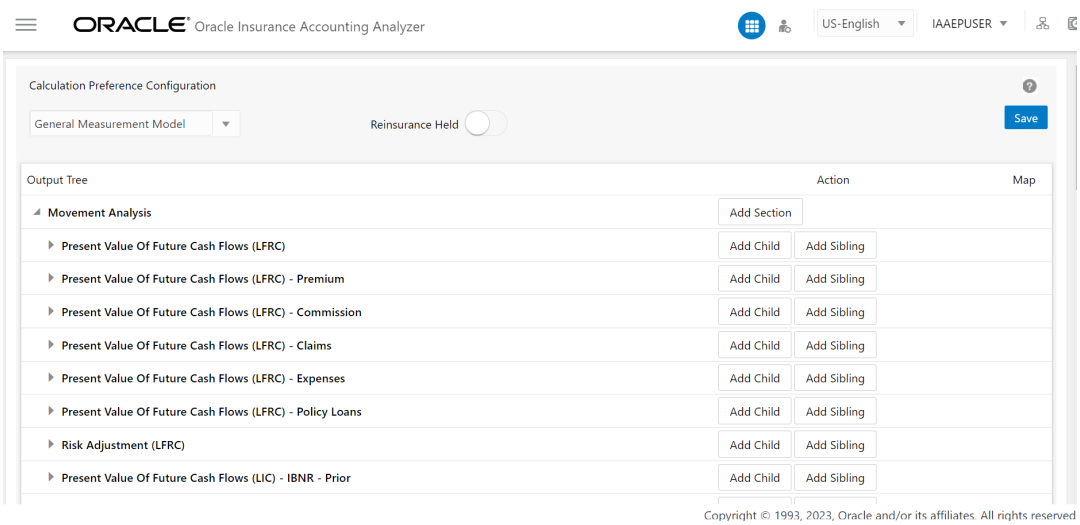
- General Measurement Model (GMM)
- Long Duration Contracts
- Premium Allocation Approach (PAA)
- Variable Fee Approach (VFA)
- Reinsurance Settlement

> **Note:**
>
> The **Reinsurance Held** slider is only available for the GMM, PAA, LDTI, and Reinsurance Settlement methods. Note the following if the **Reinsurance Held** slider is selected for a specific method:
>
> - If the GMM method is selected and the **Reinsurance Slider** is enabled, then the Ratios from underlying Insurance Contracts row appears.
> - If the Long Duration Contracts method is selected and the **Reinsurance Slider** is enabled, then only the Movement Analysis row appears.
> - If the Reinsurance Settlement method is selected, the **Reinsurance Slider** will get enabled.

3. In this window, select an output variable from the list. You can also type the name of an output variable in the Filter field to filter the output variables in the list.

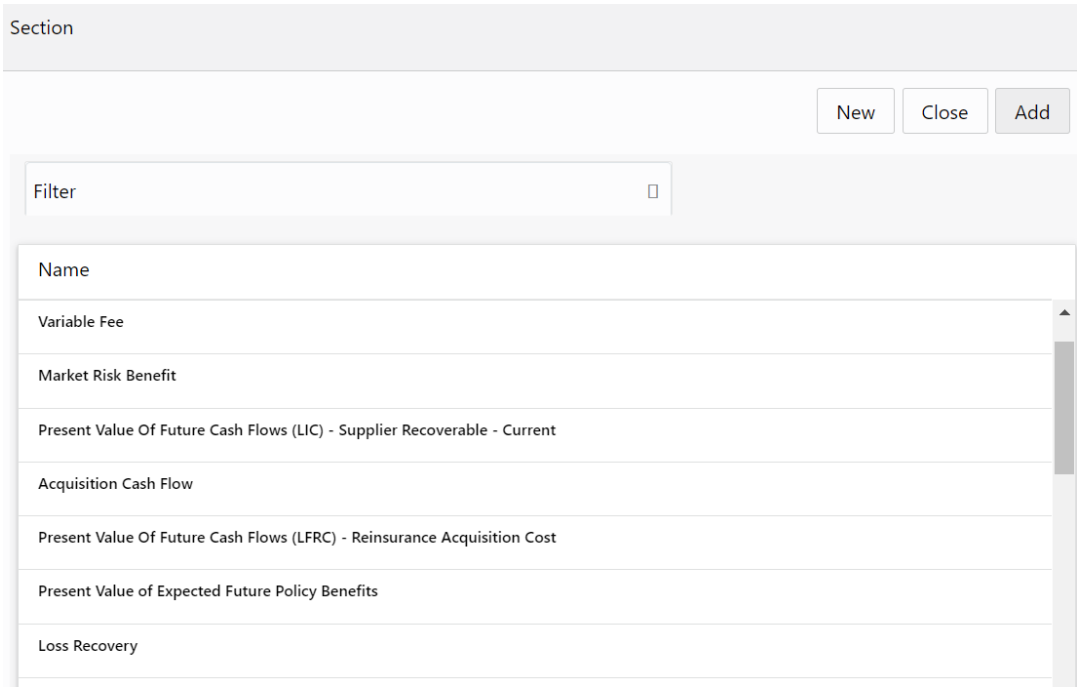
4. In the **Output Tree** pane, click the arrow icons to expand or collapse the Output Parameters.

Figure 3-5 The Extension Pack Template Page



5. To add a new section, click **Add** section to open the Section window.

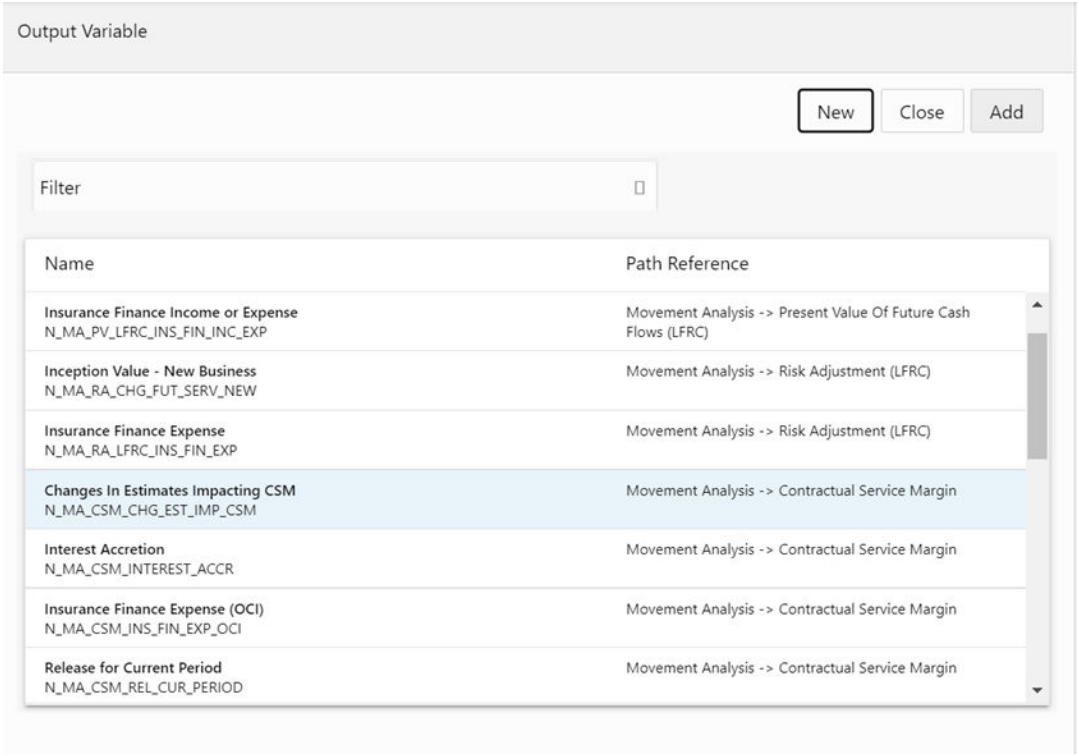
Figure 3-6 The Section Window



6. In this window, click **New**.
7. Enter a name and description in the **Name** and **Description** fields and then click **Create**. The **Calculation Preference Configuration** page automatically appears.
8. Click **Save** to add the newly created section.

9. To add an Output Variable as a Child or as a Sibling, click the **Add Child** or the **Add Sibling** button adjacent to an Output Parameter, respectively. The **Output Variable** window is displayed.

Figure 3-7 The Output Variable Window



a. In the **Filter** field, enter a value, for example, **Insurance**, to filter the Output Variables.

b. Click the **New** button to open the window for creating a new Output Variable.

Figure 3-8 The Window for Creating a New Output Variable if the Reinsurance Held slider is enabled

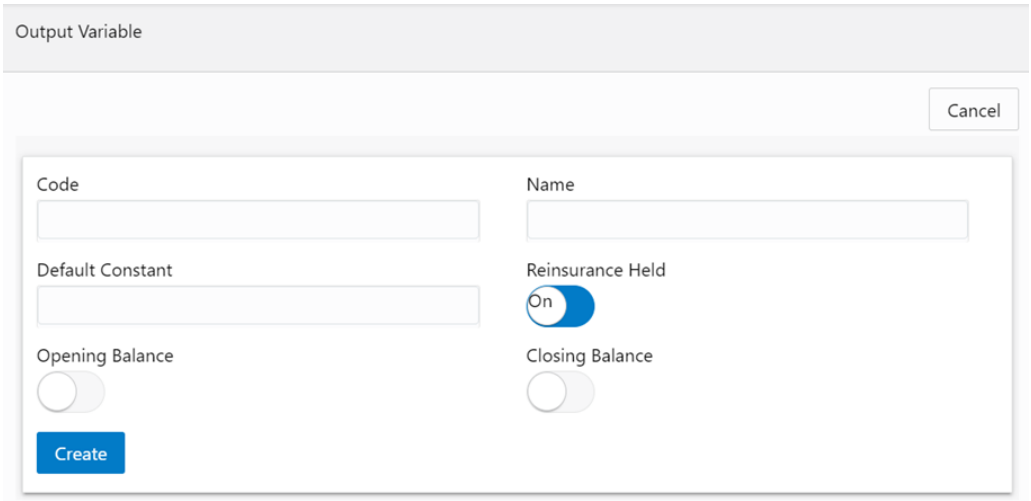
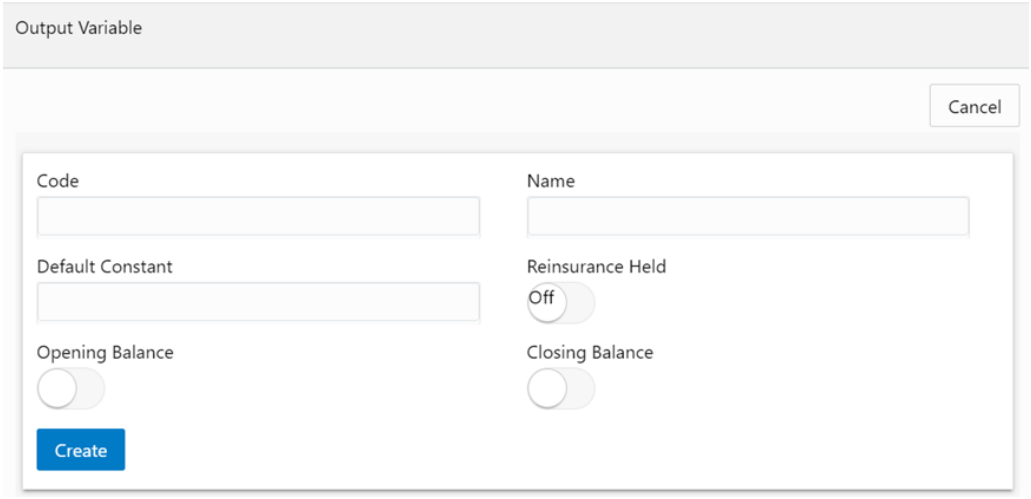


Figure 3-9 The Window for Creating a New Output Variable if the Reinsurance Held slider is not enabled



c. Enter values in the following fields:

- **Code**: Enter a code for the Output Variable.
- **Name**: Enter a name for the Output Variable.
- **Default Constant:** Enter a default constant for the Output Variable. This is used when the output variable that is created is an opening balance. For example, the user can give the *Closing balance of the last reporting period* as the default constant for the opening balance output variables, then the given default constant will be displayed on the calculation template.
- **Reinsurance Held:** This button is *On* if the **Reinsurance Held** slider was enabled on the **Calculation Preference Configuration** page. if the **Reinsurance Held** slider was disabled on the **Calculation Preference Configuration** page, then this button will be *Off*.
- **Opening Balance:** Click the slider to enable the mark the output variable as an Opening Balance Feature variable. This is to facilitate mapping the closing balance variables to the respective opening balance variables.
- **Closing Balance:** Click the slider to mark the output variable as a Closing Balance variable. This is to facilitate mapping the closing balance variables to the respective opening balance variables.

d. Click **Create**.

10. All Closing Balances must have an Opening Balance mapped to it. Click the **Map Opening Balance** icon in the **Map** column to map an Opening Balance to a Closing Balance.
11. Additionally, click the **Delete Node** button adjacent to the required node to delete it. Deletion is possible only if the changes are not saved.
12. Click **Save** to save the changes.

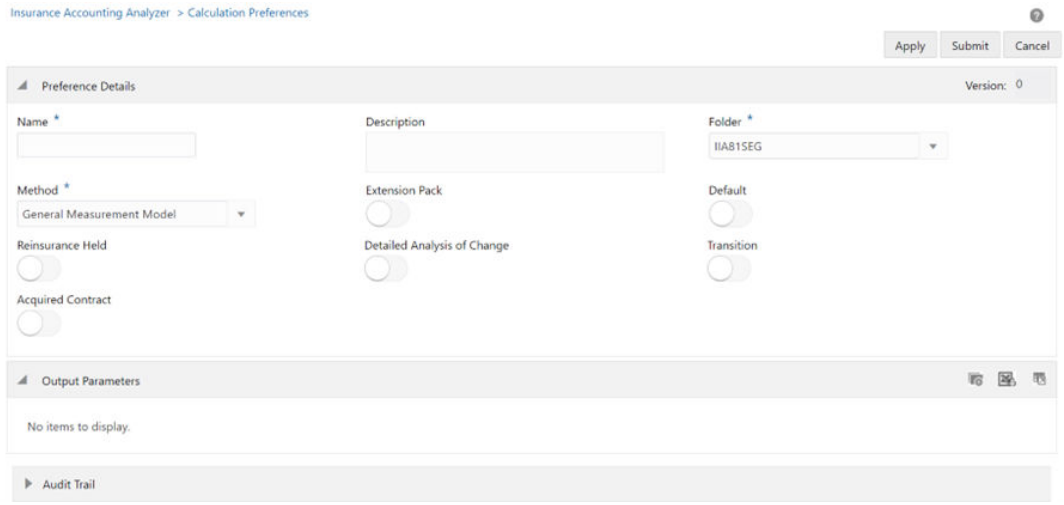
Calculation Preference Definition

Perform the following steps to create a new Calculation Preference Definition by using a new Output Variable:

> **Note:**
>
> You must complete mapping the financial element and transaction type to the Cash Flow type as part of the process for calculating the Input Variables. For more information, see **Dimension Management** and **Batch Execution** in the Oracle Insurance Accounting Analyzer User Guide.

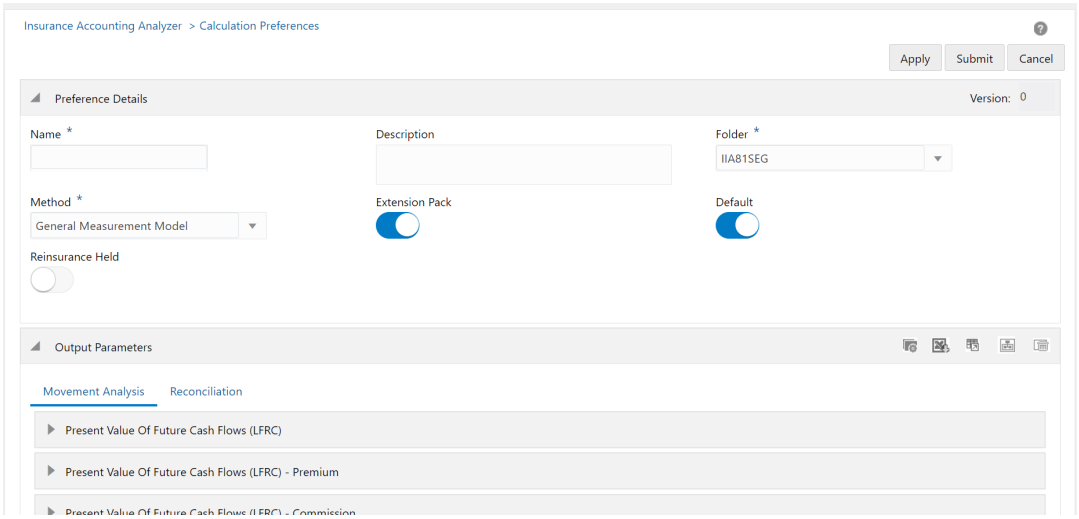
1. In the **Calculation Preference** window, click **Add** to open the **Calculation Preferences** window.

Figure 3-10 The Calculation Preferences Window



2. Click the **Extension Pack** slider to use the new Output Variables that were created on the **Extension Pack Template** page. When this feature is enabled, the **Detailed Analysis of Change**, **Transition, Acquired Contract**, and **Disaggregate Insurance Finance Expense** sliders are disabled.

Figure 3-11 The Calculation Preferences Window with the Extension Pack slider enabled



Note the following conditions for the **Output Parameters** section when the **LDTI** method is selected:

- **Default** - Only the **Movement Analysis** and **Net Premium Ratio** sections are enabled.
- **Market Risk** - If the **Market Risk** slider is enabled, then only the **Movement Analysis** and **Benefit Ratio** sections are enabled.
- **Reinsurance Held** - If the **Reinsurance Held** slider is enabled, then only the **Movement Analysis** section is enabled.

3. Perform the steps mentioned in the **Create a New Calculation Preferences Definition** section in the Oracle Insurance Accounting Analyzer User Guide.
4. The **Soft Delete** icon in the **Output Parameters** pane, enables you to delete a variable:
   a. Click the **Soft Delete** icon to open the **Soft Delete** window.

Figure 3-12 Soft Delete Window

.

   b. In this window, select the variables that you want to hide and then click the **Hide** button.
   The selected variables are hidden from the list.
   c. To restore the list of variables to its default state, in the **Soft Delete** window, click the Restore button.
   The variables that were previously hidden will appear in the list of variables.
5. For each approach, you can give an Expression in a single Template starting with the **Non Transition Expression** box at the top. Click the **Acquired Expression** field at the bottom expression builder box and then select the required Input Parameters from the list to populate the Acquired field pane. The other fields **Fair Value Approach Expression**, **Full Retrospective Expression**, **Modified Retrospective Expression** and **Acquired Full Retrospective Expression** can be seen by clicking on the right arrow at the top corner of the bottom expression builder box. Separate expressions can be built for each of these using the input variables, output variables, macros and functions.

Figure 3-13 The Acquired Expression field in the Calculation Configuration Window

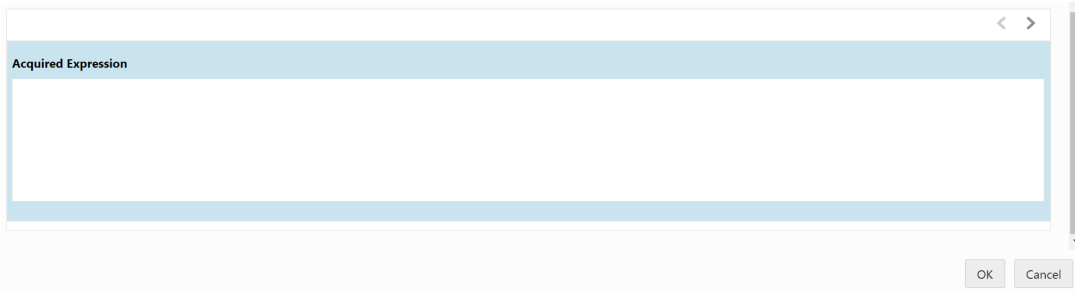


Figure 3-14 The Fair Value Approach Expression field in the Calculation Configuration Window

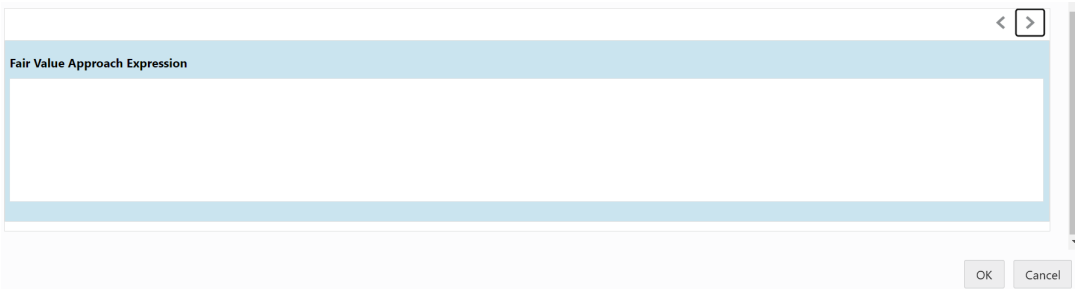


Figure 3-15 The Full Retrospective Expression field in the Calculation Configuration Window

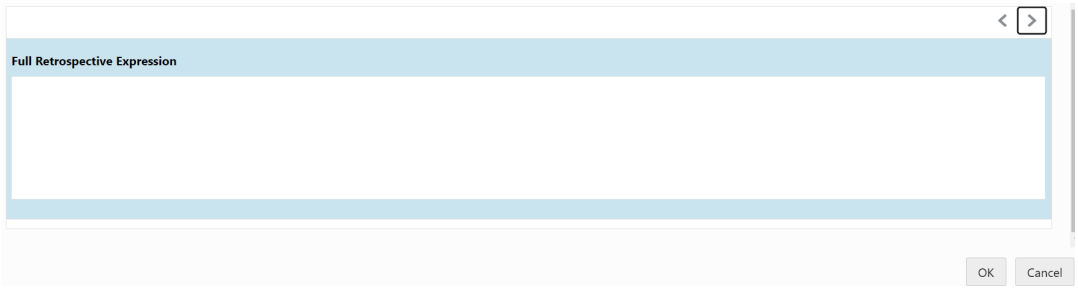


Figure 3-16 The Modified Retrospective Expression field in the Calculation Configuration Window

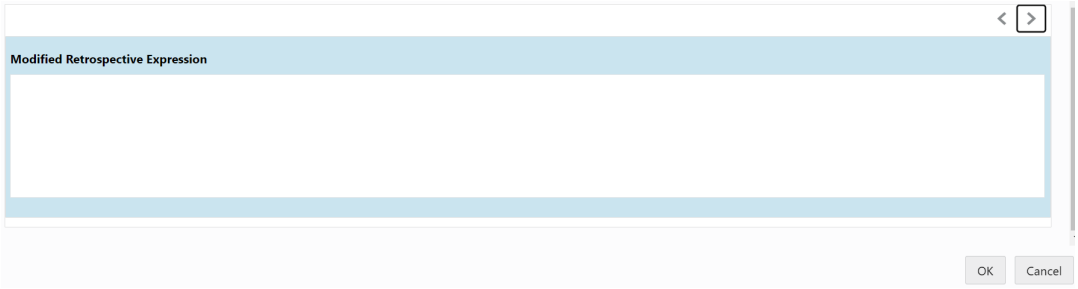
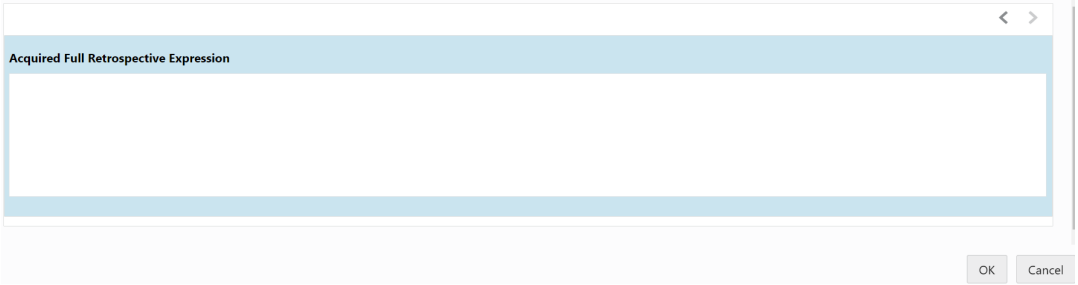


Figure 3-17 The Acquired Full Retrospective Expression field in the Calculation Configuration Window



6. Additionally, in the **Output Parameters** pane, click the **Download** icon to download the Calculation Preference formula in an Excel format to your local system. You can modify the formula in this downloaded template and then click the **Import** icon in the **Output Parameters** pane to import the modified formula to the application.

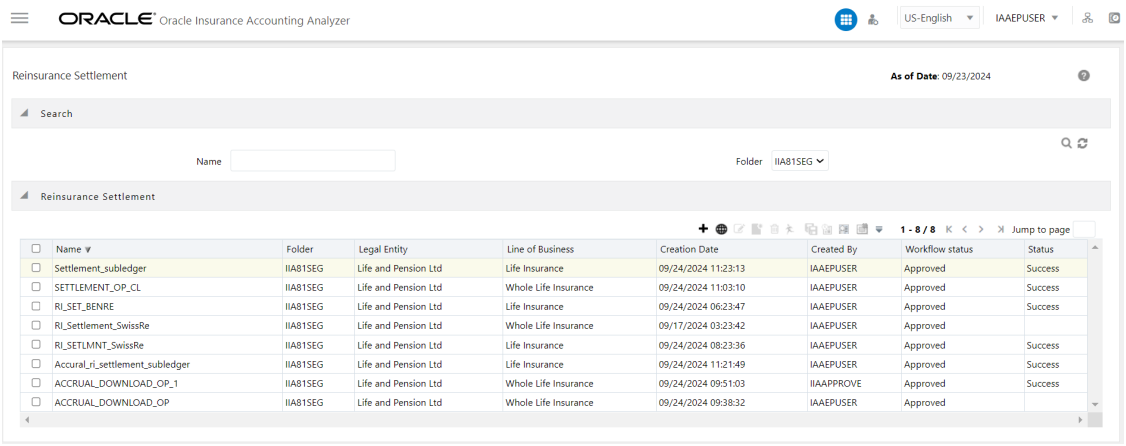
Reinsurance Settlement Computation

This chapter provides information on the Reinsurance Settlement Computation feature.

Access Reinsurance Settlement

You can access the **Reinsurance Settlement** window by clicking the **Reinsurance Settlement Computation** element from the left-hand side menu. When you click this element, the **Reinsurance Settlement** window is displayed:

Figure 3-18 Reinsurance Settlement Window



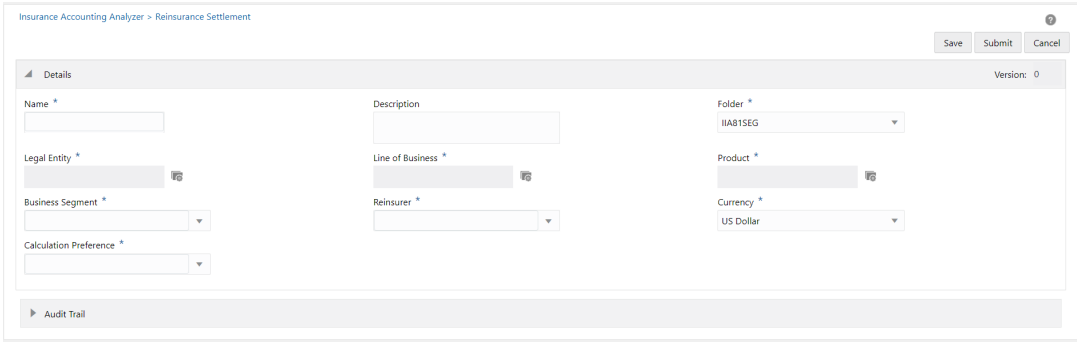
This window displays the existing reinsurance settlement in the **Reinsurance Settlement** pane. This window also enables you to define new reinsurance settlement, edit the existing reinsurance settlement, and view the details of existing reinsurance settlement.

Create a New Reinsurance Settlement

Perform the following steps to create new reinsurance settlements:

1. In the **Reinsurance Settlement** pane, click **Add** to open the **Reinsurance Settlement** window.

Figure 3-19 Reinsurance Settlement Window



2. Populate the **Reinsurance Settlement** form as tabulated.

> **Note:**
>
> Except for the **Description** field, all the fields are mandatory.

Table 3-2 The Reinsurance Settlement pane

Field	Description
Name	Enter a name for the reinsurance settlement. This is a mandatory field.
Description	Enter a description for the reinsurance settlement.
Folder	Select a folder from the drop-down list. This is a mandatory field.
Legal Entity	Click the **Launch Hierarchy** icon to select a legal entity. This is a mandatory field.
Line of Business	Click the **Launch Hierarchy** icon to select a line of business. This is a mandatory field.
Product	Click the **Launch Hierarchy** icon to select a line of business. This is a mandatory field.
Business Segment	Select a business segment from the drop-down list.
Reinsurer	Select a reinsurer from the drop-down list.
Currency	Select a currency from the drop-down list. This is a mandatory field.
Calculation Method*	Select a calculation template from the drop-down list. This is a mandatory field.

3. Click **Submit** or click **Save** and then **Submit** to submit the reinsurance settlement to the approver.

Edit a Reinsurance Settlement

Perform the following steps to edit a reinsurance settlement:

1. In the **Reinsurance Settlement** table, select the checkbox adjacent to the reinsurance settlement that you want to edit.
2. Click **Edit**, to open the **Reinsurance Settlement** window.
3. Update the available fields. For more information, see Create a reinsurance settlement.

> **Note:**
>
> Reinsurance settlements that are in the *Approved* state are not available for editing.

4. Click **Save**.
   The saved reinsurance settlement is displayed in the **Reinsurance Settlement** pane on the **Reinsurance Settlement** window.

Create a New Version of a Reinsurance Settlement

Perform the following steps to add a new version of a reinsurance settlement:

1. On the **Reinsurance Settlement** pane, select the desired reinsurance settlement and click **Create New Version**, to open the reinsurance settlement window.
2. Select a calculation preference template from the **Calculation Preference** drop-down list, and then click **Modify** to open the **Modify** window.
3. In the **Effective From *** field, click the **Select Date.** icon and select a date. This is a mandatory field.
4. In the **Justification** field, enter a justification for modifying the reinsurance settlement. This is a mandatory field.
   A new version of the reinsurance settlement is added to the **Reinsurance Settlement** pane.

View a Reinsurance Settlement

Perform the following steps to view a reinsurance settlement:

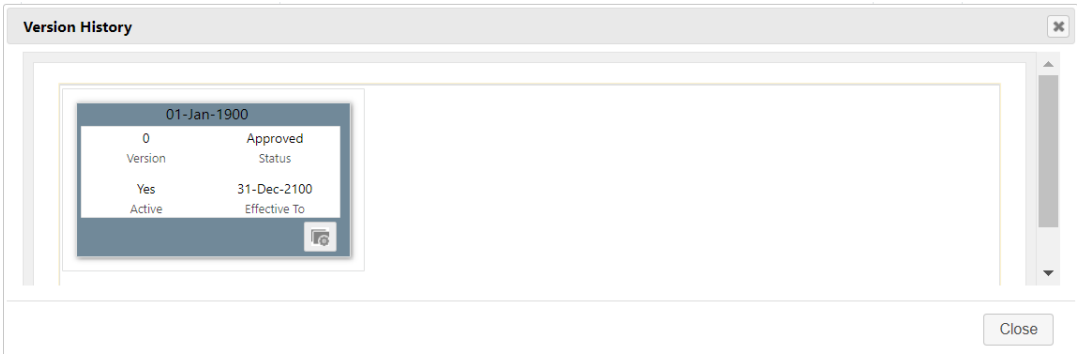
1. In the **Reinsurance Settlement** table, select the checkbox adjacent to the reinsurance settlement that you want to view.
2. Click **View**, to open the **Reinsurance Settlement** window.
3. Click **Cancel** to go back to the **Reinsurance Settlement** page.

View a Reinsurance Settlement Version

Perform the following steps to view the version of a reinsurance settlement:

1. On the **Reinsurance Settlement** pane, click **Version History** to open the **Version Details**window.

Figure 3-20 Version History Window



2. View the version details of the Reinsurance Settlement and then click **Close**

Delete a Reinsurance Settlement

> **Note:**
>
> reinsurance settlement versions that have been executed with the *Success* status are not available for deletion.

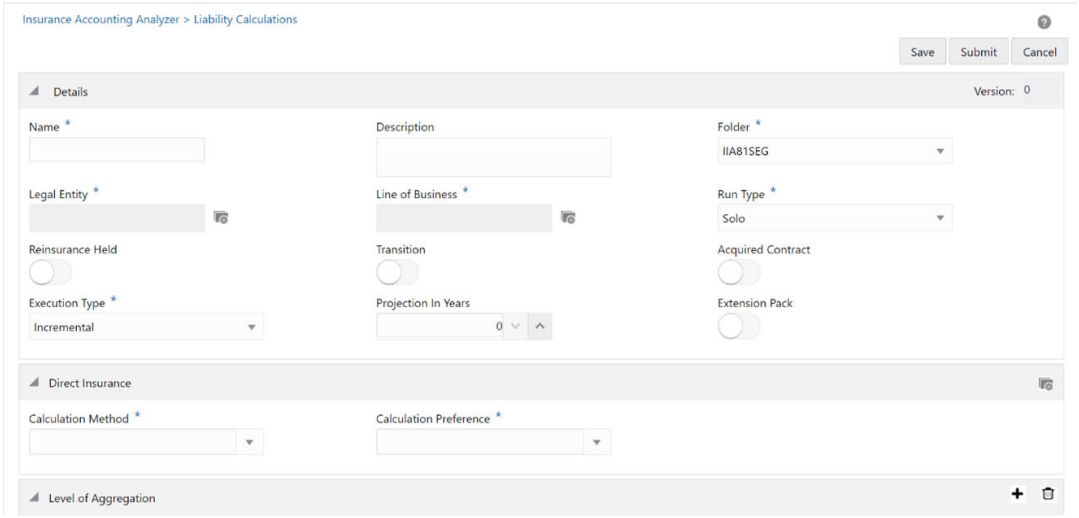
1. In the **Reinsurance Settlement** table, select the checkbox adjacent to the reinsurance settlement that you want to view.
2. Click **Delete**.
3. Click **Yes**.
   The selected reinsurance settlements are deleted.

Create a New Liability Calculation Definition

Perform the following steps to create a new Liability Calculation Definition:

1. In the **Liability Calculations** table, click **Add** to open the **Liability Calculation** window.

Figure 3-21 The Liability Calculation Window with the Extension Pack Slider



2. Perform the steps mentioned in the **Create a New Liability Calculation Definition** section in the Oracle Insurance Accounting Analyzer User Guide.

Reserve Converter

The reserve converter feature allows the user to convert reserves to the cohort level. The claim payment patterns will be applied to generate cashflows.

You can access the **Reserve Converter** window by clicking the **Reserve Converter** element from the left-hand side menu. When you click this element, the **Reserve Converter** window is displayed:

Figure 3-22 Reserve Converter

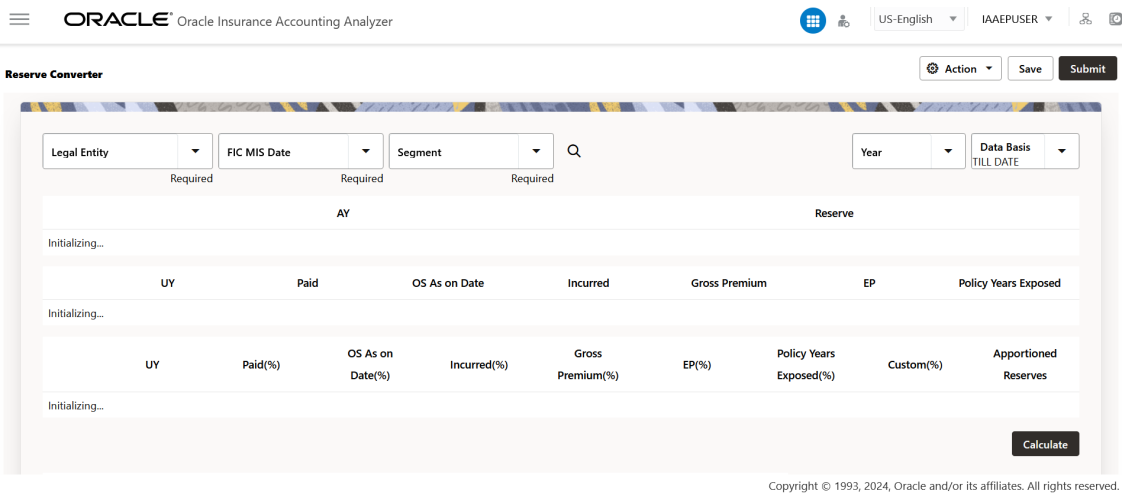
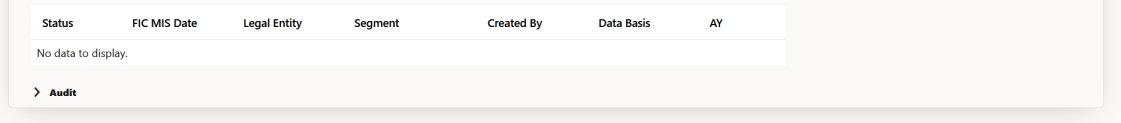


Figure 3-23 Reserve Converter Continued



The following tasks are available on this window:

Table 3-3 Reserve Converter Actions

Field	Description
Legal Entity	Select a legal entity from the drop-down list.
FIC MIS Date	Select a date from the calendar.
Segment	Select a segment from the drop-down list.
Year	Select a year from the drop-down list.
Date Basis	Select a basis for the date from the drop-down list, the available options are: • *Till Date* • *YTD*
Search	This button is enabled when values are selected in the **Legal Entity**, **FIC MIS Date**, and **Segment fields**. When the search button is clicked, the **Year** field is automatically populated and the **Status** table at the end of the window is auto populated with the FIC MIS date, legal entity, segment, data basis and AY details. These details appear based on the values that were selected in the respective fields.
AY	This field contains the year that was selected in the **Year** field. Click this field to select additional years.
Calculate	Select this button to calculate. If the sum of the weightage is not 100%, an error message appears informing that the sum of the weightages must be 100%.
Action	This drop-down list contains three features: • **UY Reserve Converter** - • **Apply Previous Approved Weightages** - • **Help** - Access the help page for this feature
Save	Click this button to save the conversion.
Submit	Click this button to submit the conversion.

An example of the screen when the details are populated in the form:

Figure 3-24 Reserve AY

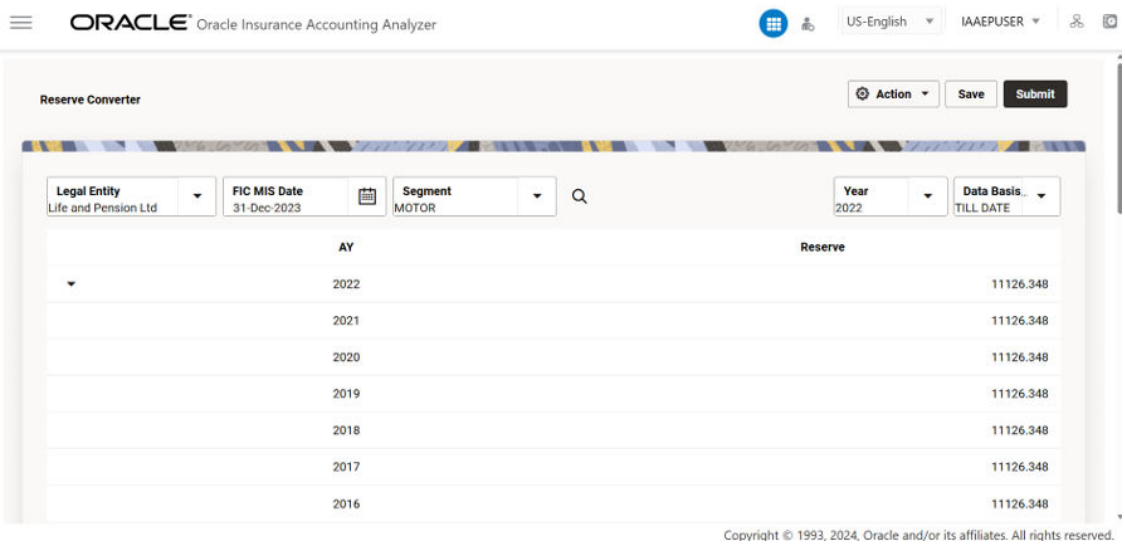


Figure 3-25 Reserve AY

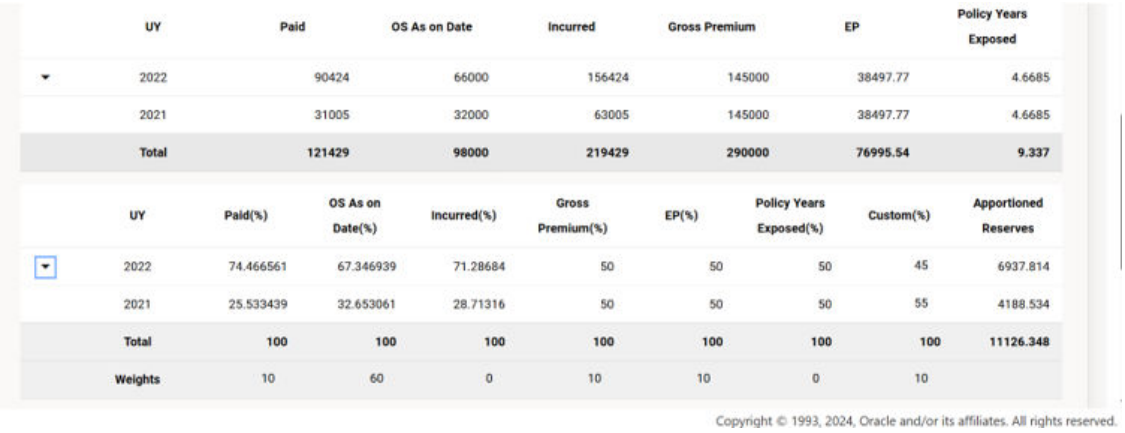


Figure 3-26 Reserve AY

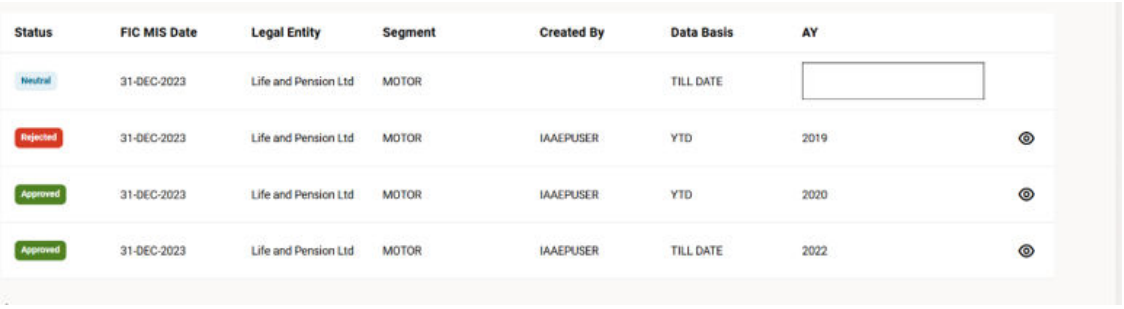


Figure 3-27 Reserve UY

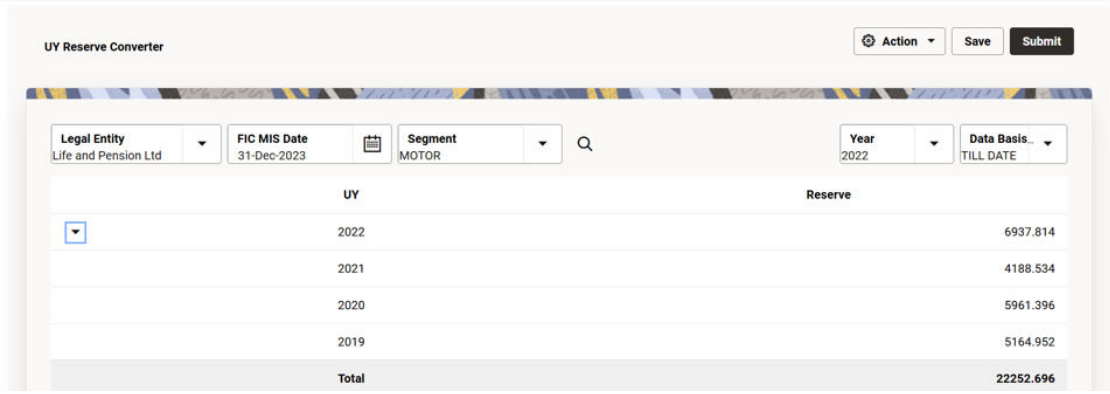
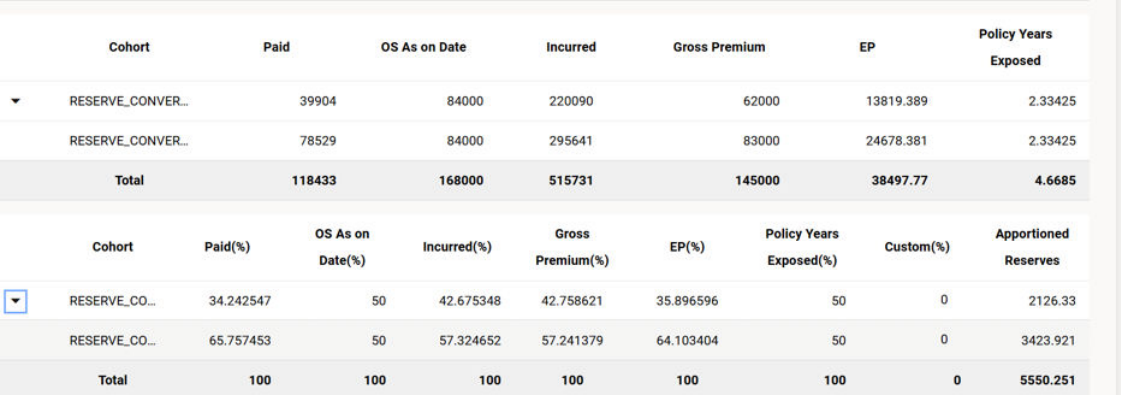


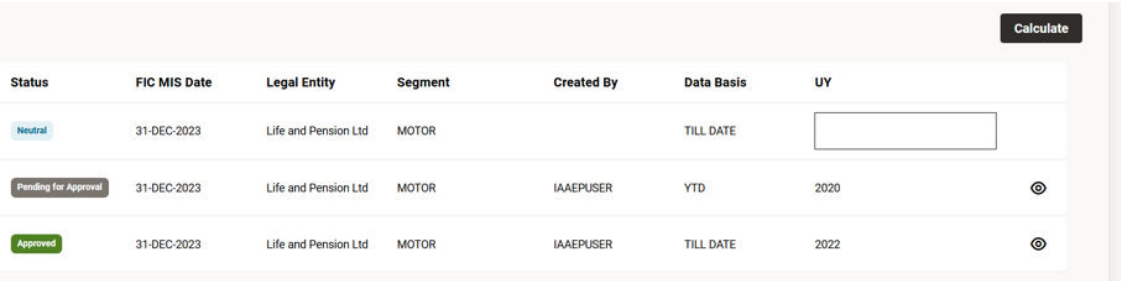
Figure 3-28 Reserve UY



Cohort	Paid	OS As on Date	Incurred	Gross Premium	EP	Policy Years Exposed
RESERVE_CONVER...	39904	84000	220090	62000	13819.389	2.33425
RESERVE_CONVER...	78529	84000	295641	83000	24678.381	2.33425
Total	**118433**	**168000**	**515731**	**145000**	**38497.77**	**4.6685**

Cohort	Paid(%)	OS As on Date(%)	Incurred(%)	Gross Premium(%)	EP(%)	Policy Years Exposed(%)	Custom(%)	Apportioned Reserves
RESERVE_CO...	34.242547	50	42.675348	42.758621	35.896596	50	0	2126.33
RESERVE_CO...	65.757453	50	57.324652	57.241379	64.103404	50	0	3423.921
Total	**100**	**100**	**100**	**100**	**100**	**100**	**0**	**5550.251**

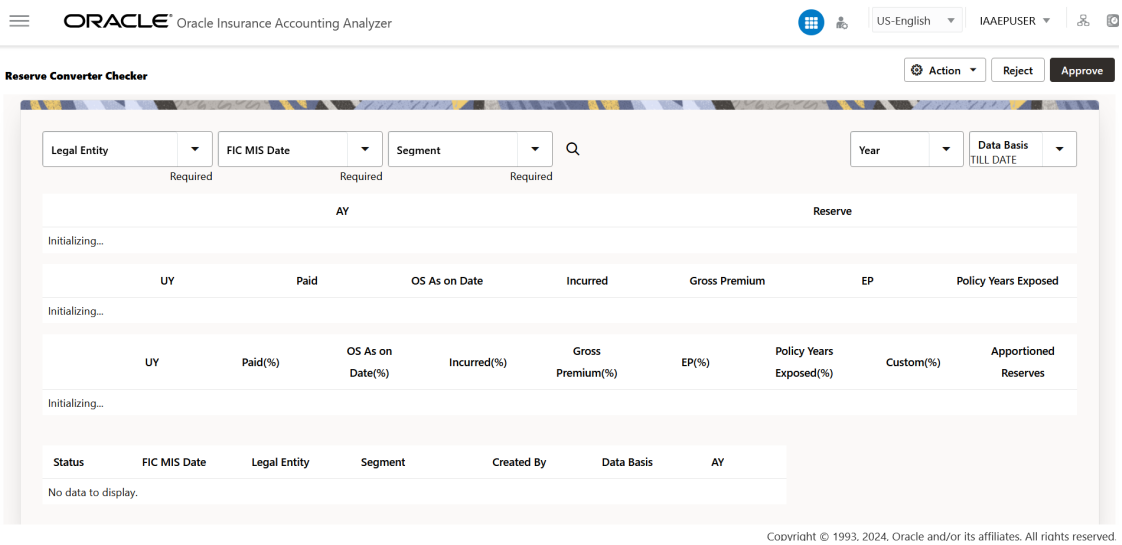
Figure 3-29 Reserve UY



Reserve Converter Checker

You can access the **Reserve Converter Checker** window by clicking the **Reserve Converter Checker** element from the left-hand side menu. When you click this element, the **Reserve Converter Checker** window is displayed:

Figure 3-30 Reserve Converter Checker



The following tasks are available on this window:

Table 3-4 Reserve Converter Actions

Field	Description
Legal Entity	Select a legal entity from the drop-down list.
FIC MIS Date	Select a date from the drop-down list.
Segment	Select a segment from the drop-down list.
Year	Select a year from the drop-down list.
Date Basis	Select a basis for the date from the drop-down list, the available options are: • *Till Date* • *YTD*
Search	This button is enabled when values are selected in the **Legal Entity**, **FIC MIS Date**, and **Segment fields**. When the search button is clicked, the **Year** field is automatically populated and the **Status** table at the end of the window is auto populated with the FIC MIS date, legal entity, segment, data basis and AY details. These details appear based on the values that were selected in the respective fields.
AY	This field contains the year that was selected in the **Year** field. Click this field to select additional years.
Calculate	Select this button to calculate. If the sum of the weightage is not 100%, an error message appears informing that the sum of the weightages must be 100%.
Action	This drop-down list contains three features: • **UY Reserve Converter** - • **Apply Previous Approved Weightages** - • **Help** - Access the help page for this feature

Table 3-4 (Cont.) Reserve Converter Actions

Field	Description
Reject	Click this button to reject the conversion.
Approve	Click this button to approve the conversion.

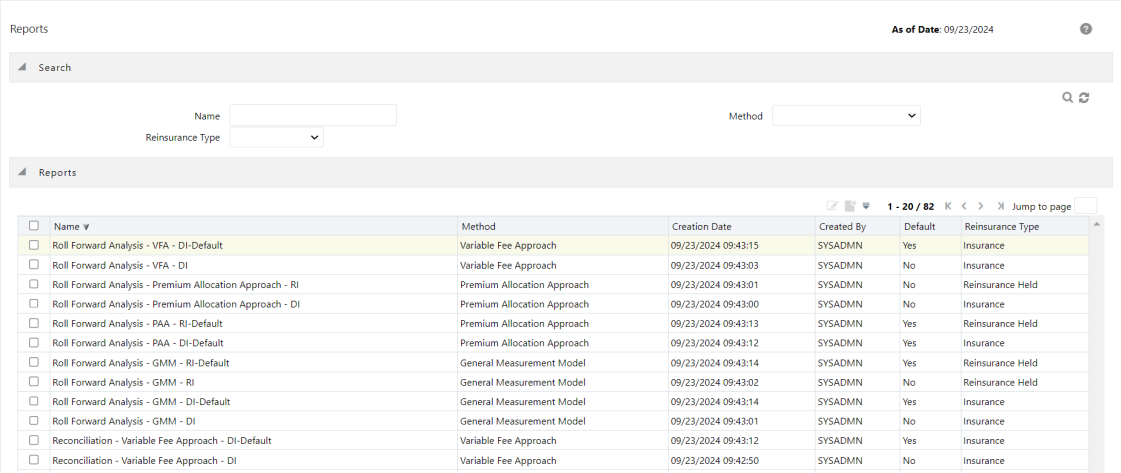
Report Configuration

Access Reports Configuration

The Reports Configuration feature allows the user to modify the reports pre-packaged with the extension pack.

You can access the **Reports Configuration** window by clicking the **Reports Configuration** element from the left-hand side menu. When you click this element, the **Reports Configuration** window is displayed:

Figure 3-31 The Reports Window



This window displays the existing repline configurations in the Reports table. This window also enables you to modify and view repline configurations.

The reports suffixed as *Default* are non-editable and the product related changes, if any, to the reports for future releases will be reflected in these reports. The reports that are not suffixed as *Default* are editable and the product related changes, if any, to the reports for future release will not impact these reports

Search for a Report

The search feature enables you to filter the list of existing reports and find the reports that you require. To search for a repline, enter the keyword in the **Name** field or select a value from the Folder, **Method,** and **ReinsuranceHeld** drop-down lists before clicking the **Search** icon.

The list of reports that match your search criteria are displayed.

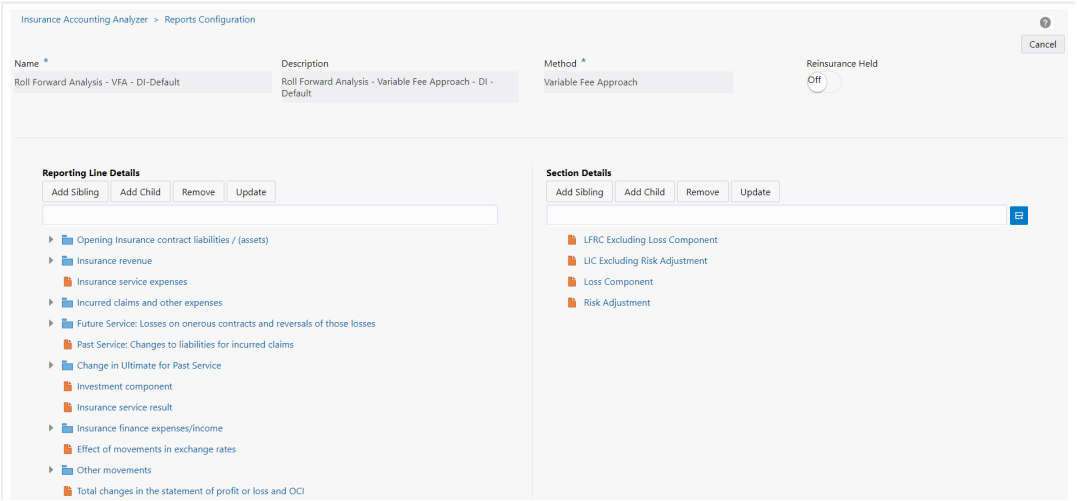
Modify a Report

Perform the following steps to modify or add a report:

> **Note:**
>
> Only reports that contain the status as *No* under **Default** columns can be modified.

1. On the **Reports** page, select the checkbox adjacent to the report that you want to edit.
2. Click **Edit**, to open the **Reports Configuration** window.

Figure 3-32 The Reports Configuration Window



3. Update the desired fields.

Field	Description
Name	The name field is populated by default with the name of the selected report. This field is disabled for modification.
Description	Modify the description of the report.
Method	The method field is selected by default and is disabled for modification.
Reinsurance Held	This field is disabled for modification.

Field	Description
Add Sibling/Add Child (Reporting Line and Section Details)	Click these buttons to add a sibling or a child via the **Reports** window: a. In the **Filter** field, enter a value, for example, **Insurance**, to filter the Output Variables. b. Click the **New** button to open the window for creating a new Output Variable. c. Enter values in the following fields: • **Name** - Enter a name. • **Description** - Enter a description. d. Click**Create**. e. Click **Add** f. Additionally, click **Close** to exit this window.
Remove (Reporting Line and Section Details)	Select an entry from the Reports and Section Details section and then click **Remove** to remove the entry.
Update	Click this button to update the list.
Mapping (Section Details)	Select a repline and a section from the **Reports Details** and **Section Details** sections respectively and then click the **Mapping** icon. The mapping window for the selected repline and section appears: a. Select a value from the **Section** drop-down list b. Select a value from the **Expression Type** drop-down list. • **Output Formula** - If *Output Formula* is selected as the expression type then you can use output variables in the **Expression** section. • **Input Formula** - If *Input Formula* is selected, the **Assumption Type** field appears. Select an assumption type and select the desired input variables to populate the **Expression** section. c. Select the desired output variables to build the expression in the **Expression** field. d. Click **Apply**.

4. Click **Save**.
5. Click **Publish**.
   The updated repline appears in the list of replines on the **Reports** page.

View a Report

Perform the following steps to view a report:

1. On the **Reports** page, select the checkbox adjacent to the report you want to view.
2. Click the **View** icon, to open the **Reports Configuration** window.

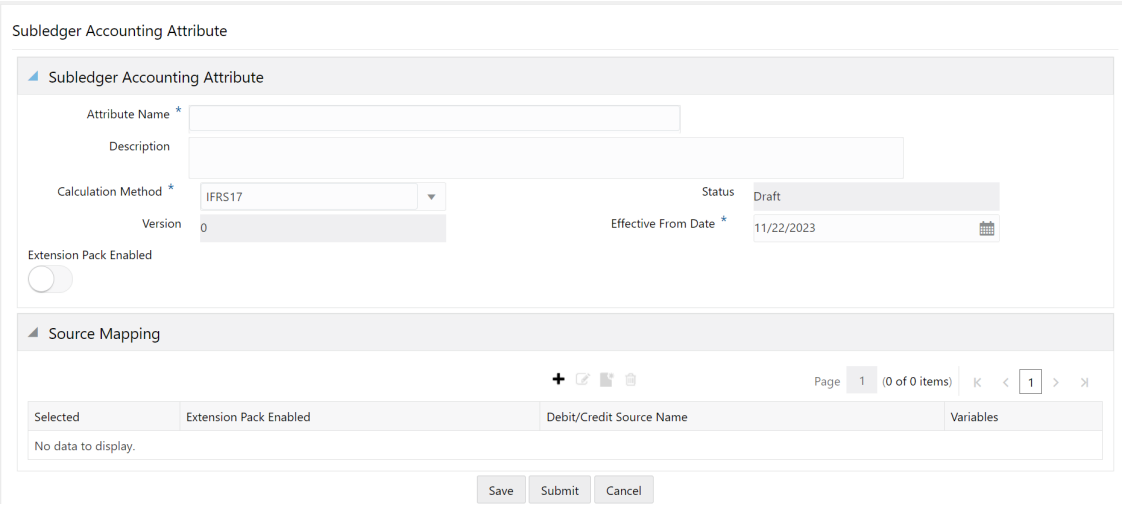
> **Note:**
>
> You cannot edit any of the fields in *View* mode.

3. Click **Cancel** to go back to the **Reports** page.

Subledger Attributes

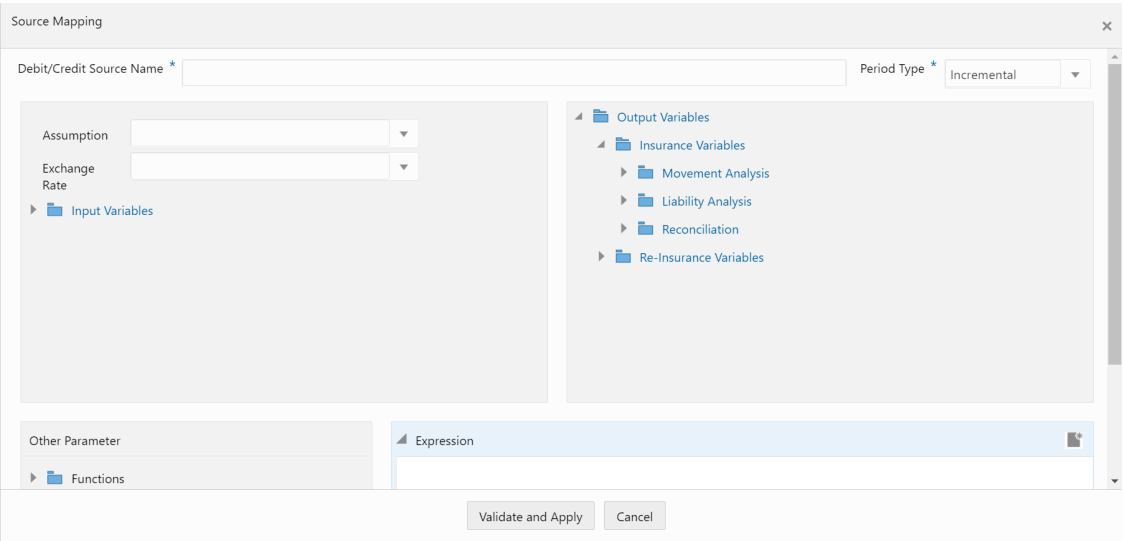
In the Subledger Accounting Attribute screen, the **Extension Pack Enabled** feature is available.

Figure 3-33 The Subledger Accounting Attribute Window with the Extension Pack Enabled Slider



On enabling this feature, while creating customized attributes, extension pack output variables will be available in the Output Variables section of the **Source Mapping** window.

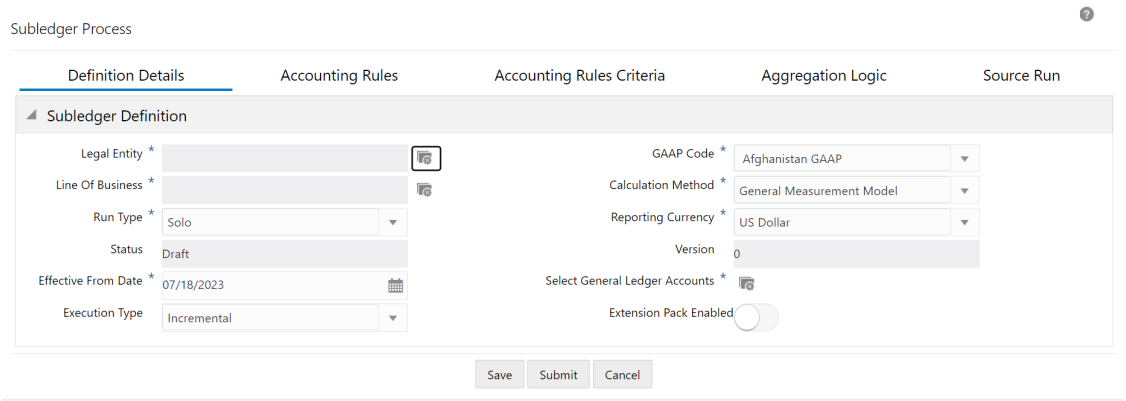
Figure 3-34 The Source Mapping Window



Subledger

In the **Subledger Process** screen, the **Extension Pack Enabled** is available. When this feature is enabled, Liability Calculation definitions that were created with the **Extension Pack** feature enabled in the **Liability Calculations** screen will be available.

Figure 3-35 The Subledger Process Window



Create New Subledger Definition

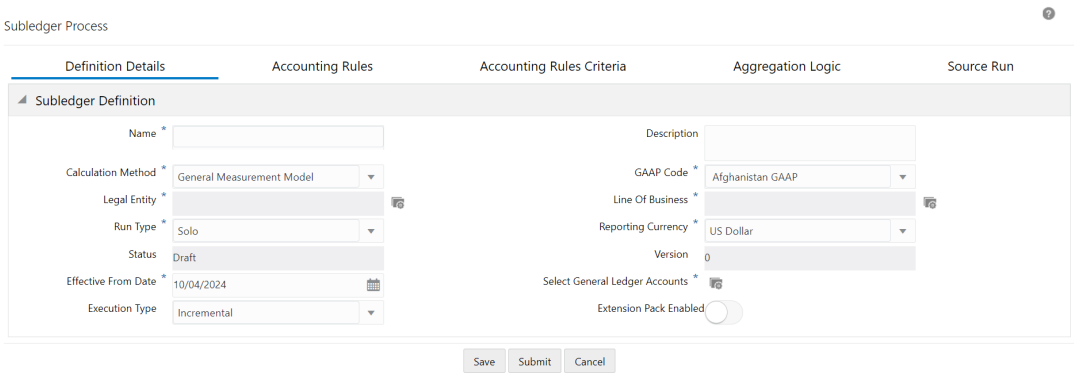
> **Note:**
>
> When creating a Subledger definition with a Subledger Attribute, it can only be created with an Approved Subledger Attribute.

Perform the following steps to create new sub-ledger definitions:

> **Note:**
>
> If you want to import definitions created by you, then see the Object Migration section in the OFS Analytical Applications Infrastructure User Guide.

1. In the **Subledger Definition** pane, click **Add** to open the **Subledger Process** window.

Figure 3-36 The Subledger Process Window



2. Populate the **Subledger Definition** pane in the **Definition Details** tab.

Table 3-5 The Subledger Definition pane

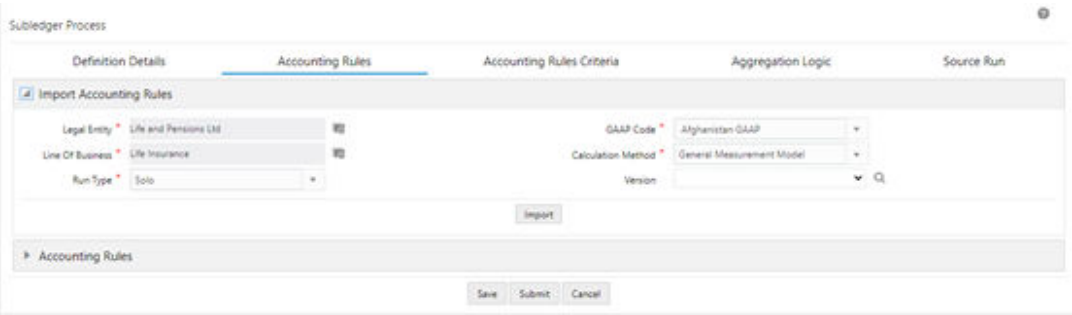
Field	Description
Fields marked with asterisks (*) in the window are mandatory.	
Name*	Enter a name for the Subledger Definition.
Description	Enter a description for the definition.
Calculation Method	Select a calculation method from the drop-down list. The available methods are: • General Measurement Model • General Measurement Model Reinsurance • Long Duration Contracts • Premium Allocation Approach • Premium Allocation Approach Reinsurance • Reinsurance Settlement • Variable Fee Approach
Legal Entity*	Click Hierarchy Selection adjacent to this field. Select the required Legal Entity from the Hierarchy Selection Window. For more information, see Hierarchy Selection.
GAAP Code*	Select a**GAAPCode** from the drop-down list.
Line of Business*	Click Hierarchy Selection adjacent to this field. Select the required Legal Entity from the Hierarchy Selection Window. The application supports the selection of multiple hierarchies in the Hierarchy Selection window for a single Subledger Definition. Select the desired number of LOBs in this window and then click **OK**. Multiple LOBs are added to this field. For more information, see Hierarchy Selection.
Status	This field is not editable and is in the Draft status when a Subledger Definition is being created.
Run Type	Select either Solo or Consolidated from the drop-down list.
Reporting Currency	Select a currency from the drop-down list.
Version	When creating a definition, the version is set to 0. You cannot change this value.
Effective From Date	Select an effective date from the **Calendar** icon.

Table 3-5 (Cont.) The Subledger Definition pane

Field	Description
Select General Ledger Accounts	Click Hierarchy Selection to select a value from the following fields: Note: You must create the members and hierarchies in the Member and Hierarchy Maintenance window to populate data in this field. For more information about creating members and hierarchies, see the OFS Analytical Applications Infrastructure User Guide. • Hierarchy Folder: Select a hierarchy folder from the drop-down. • Hierarchy: Select a hierarchy from the drop-down. • Members: Add or remove members from the Selected Members pane. By default, all accounts will appear in this list.
Execution Type	This feature enables the execution of Incremental or YTD runs as per the respective calculations and produces entries that are aligned with the CSM engine-generated disclosures. Select either *Incremental* or *YTD* from the drop-down list. **Note**: Once a definition is saved, the Execution Type cannot be changed
Extension Pack Enabled	When this feature is enabled, Liability Calculation definitions that were created with the **Extension Pack** feature enabled in the **Liability Calculations** screen will be available.
Business Segment	Select a value from the drop-down list.
Product	Click Hierarchy Selection adjacent to this field. Select the required Legal Entity from the Hierarchy Selection Window. For more information, see Hierarchy Selection.

3. Click **Save**.
4. Select the **Accounting Rules** tab.

Figure 3-37 The Accounting Rules Tab



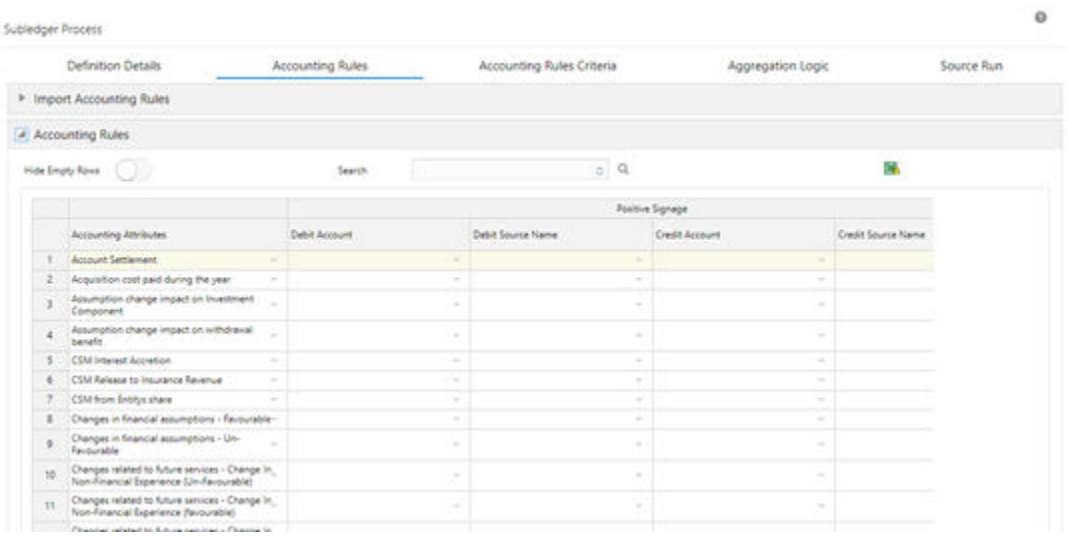
5. Populate the **Import Accounting Rules** pane in the **Accounting Rules** tab.

Table 3-6 The Import Accounting Rules pane

Field	Description
Fields marked with asterisks (*) in the window are mandatory.	
Legal Entity*	Click the Hierarchy Selectionadjacent to this field. Select the required Legal Entity from the Hierarchy Selection Window. For more information, see Hierarchy Selection.
GAAP Code*	Select a GAAPCode from the drop-down list.
Line of Business*	Click Hierarchy Selectionadjacent to this field. Select the required Legal Entity from the Hierarchy Selection Window. For more information, see Hierarchy Selection.
Calculation Method*	Select a calculation method from the drop-down list. The available methods are: • General Measurement Model • General Measurement Model Reinsurance • Long Duration Contracts • Premium Allocation Approach • Premium Allocation Approach Reinsurance • Variable Fee Approach
Run Type*	Select either Solo or Consolidated from the drop-down list.
Version*	When creating a definition, the version is set to 0. You cannot change this value.
Workflow Comments(Maker)/(Checker)	Depending on the user, Maker or Checker, the respective field will be enabled for adding comments.

6. On the **Accounting Rules** page, select the drop-down arrow to expand the table.

Figure 3-38 The Accounting Rules Tab with the Expanded Accounting Rules pane



7. Populate the **Accounting Rules** pane.

Table 3-7 The Accounting Rules pane

Field	Description
Hide Empty Rows	Click **Enable** if you want to hide empty rows. When enabled, the empty rows in the Accounting Rules table are hidden.
Accounting Attributes	Select an attribute from the drop-down list.
Debit Account	Select a debit account from the drop-down list.
Debit Source Account	Select a credit account from the drop-down list.
Credit Account	Select a debit account from the drop-down list.
Credit Source Account	Select a credit account from the drop-down list.
Modify Accounts for Opposite Signage	Select this checkbox if you want to modify accounts for opposite signage.
Journal Comments	Enter the required journal comments for the sub-ledger.
Workflow Comments	Enter the required workflow comments for the sub-ledger.

The pane allows you to perform the following actions:

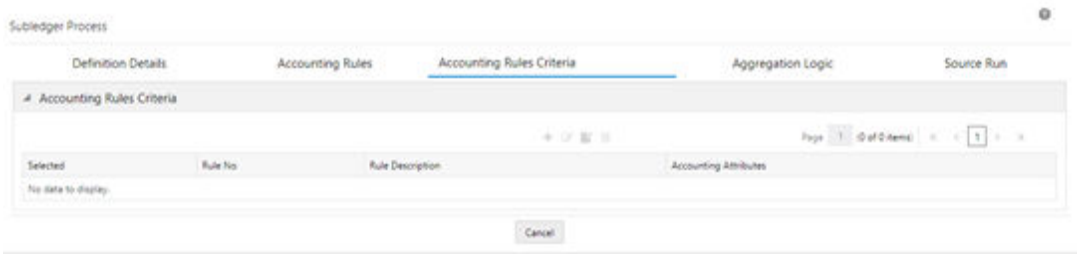
- Insert a new row before
- Insert a new row after
- Delete selected rows
- Copy
- Export the entries into an Excel spreadsheet that is automatically downloaded into your system.

8. If you want to view the information about the GL accounts and account attributes, in the upper-right corner of the table, click the icon to download the Excel file.
9. Additionally, click **Export Accounting Rules** to download the Excel file on your system.
   - Fill the Excel file with the required data.
   - Copy the data from Excel and paste it into the respective columns in the **Copy Accounting Rules** pane.

> **Note:**
>
> You must ensure the following:
>
> - The data in the columns in the application must exactly match the data as per the columns in the Accounting Rules Excel. If the rules data was not added correctly, then the system will give you a validation error and you must add the rules data correctly in the corresponding columns in the application.
> - Your system must contain the same GL entries as per the entries in the Debit Account column in the Accounting Rules Excel. If you copy and paste a GL entry that your system does not contain from Excel into the Debit Account column in the application, then the system will not validate it.

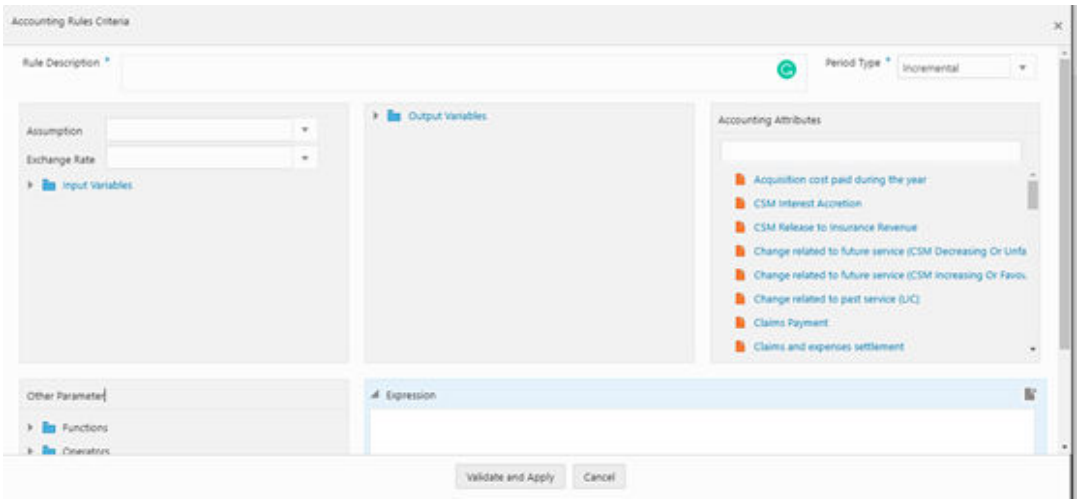
10. Click **Save**.
11. Click the **Accounting Rules Criteria** tab.

Figure 3-39 The Accounting Rules Criteria tab



12. Click **Add** to open the **Accounting Rules Criteria** Window.

Figure 3-40 The Accounting Rules Criteria Window



a. In the **Assumptions** drop-down list, select an assumption. You can link an input variable to multiple assumptions for a single expression. The available options are:

- Closing Position
- Credit Risk
- Current Accident Year Accident Period
- Current Accident Year Prior Accident Period
- Economic Assumptions
- Economic Experience
- Experience Adjustment – Lapse
- Experience Adjustment – Morbidity
- Experience Adjustment – Mortality
- Experience Adjustment – Others
- Future Inflation Assumption
- Lapse Assumption
- Market Volatility

- Morbidity Assumption
- Mortality Assumption
- New Business
- Non Economic Assumptions
- Non-Economic Experience
- Opening Adjustment
- Opening position
- Other Future Assumptions

b. In the **Period Type** drop-down list, select either *Incremental* or *YTD*.

c. In the Input Variables pane, select the required input variables from the list to populate the Expression pane.

d. In the Output Variables pane, select the required output variables from the list to populate the Expression pane.

e. In the Accounting Attributes pane, select the required accounting attribute from the list to populate the Expression pane.

f. In the Other Parameters pane, select the required functions and operators. The following are the available functions and operators:

- Functions
- AND
- ABS
- Case
- Floor
- Greatest
- Least
- MOD
- OR
- Operators
- Greater than
- Plus
- Minus
- Less Than
- Equal

g. After you have built your Expression, click **Validate** and **Apply**.

13. Click **OK**.
The condition is added to the accounting attribute.

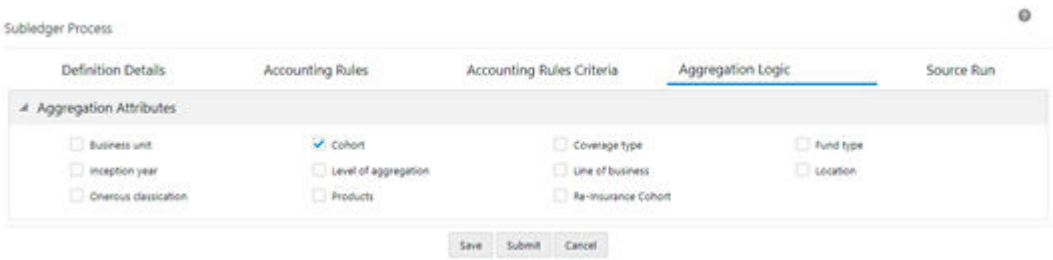
> **Note:**
>
> A condition can be mapped to multiple attributes but an accounting attribute can be mapped only to a single condition. For example, you have created Condition A and Condition B. You have mapped Condition A to Accounting Attributes A1, A2, and A3. But the same accounting attributes cannot be mapped to Condition B.

14. Click the **Aggregation Logic** tab.
The AggregationAttributes tab is displayed and contains the Cohort, Coveragetype, Inceptionyear, Levelofaggregation, Lineofbusiness, Location, Onerousclassification, and Productsattributes.

    This tab allows you to aggregate the results and pass journal entries at a chosen consolidated level. Consolidated entries might give added insights into the impact of changes on the chosen grouping.

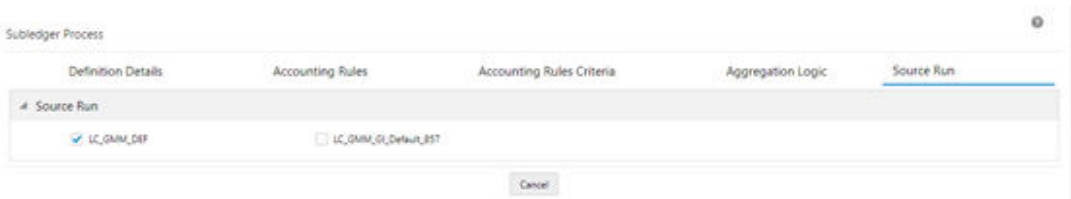
> **Note:**
>
> Only those credit and debit general ledgers' total balances that are associated with an accounting attribute are checked and added to the journal entry. This ensures that only balanced journal entries are passed. If there is an imbalance between the accounting attributes, then the accounting attributes' general ledger balances will not be passed to the journal entries.

Figure 3-41 The Aggregation Logic Tab



15. Select the checkbox(s) adjacent to the required attributes.
16. Click **Save**.
17. Click the **Source Run** tab.

Figure 3-42 The Source Run Tab



18. Select the required source runs. This is the list of CSM or Liability Calculation runs that have been executed. The source runs that appear in this tab, depending on the values that

you selected in the **Legal Entity**, **Line of Business**, **Calculation Method**, **Run Type**, fields in the **Definition Details** tab.

19. Click **Save**.
20. If you want to send it to the approver then click **Submit**.
    After a subledger definition has been submitted for approval, you cannot modify any fields. You can modify the fields only if the Approver has rejected the Subledger Definition.

The **Audit Trail** pane at the bottom of the Definition window displays the **Created By**, **Creation Date**, **last modified by**, and **Last modification date details**. The **User Comments** field enables you to add additional information as a comment.

Subledger Reports Configuration

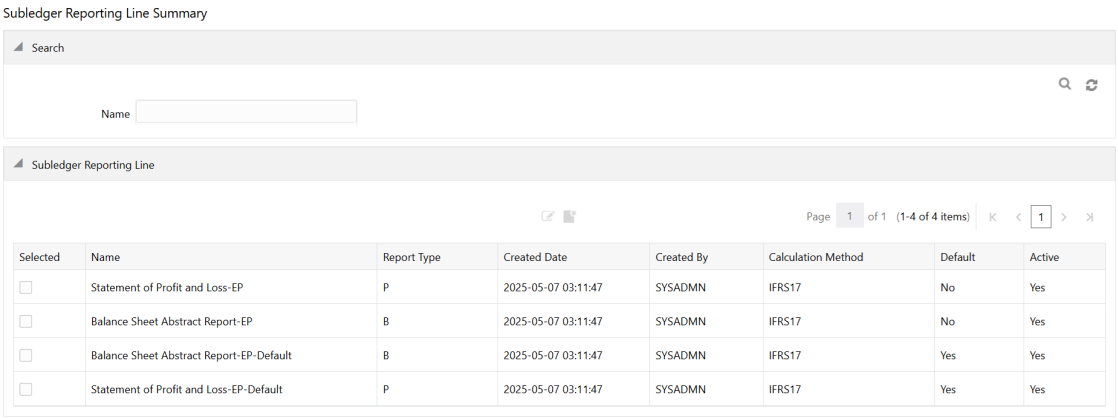
This chapter provides information on the subledger reports configuration feature.

Access Subledger Reports Configuration

The Subledger Reports Configuration feature allows the user to modify the subledger reports pre-packaged with the extension pack.

You can access the **Subledger Reporting Line Summary** window by clicking the **Subledger Reports Configuration** element from the left-hand side menu. When you click this element, the **Subledger Reporting Line Summary** window is displayed:

Figure 3-43 The Subledger Reporting Line Summary Page



This window displays the existing subledger reports configurations in the **Subledger Reporting Line** table. This window also enables you to modify and view subledger reports configurations.

The reports suffixed as *Default* are non-editable and the product related changes, if any, to the reports for future releases will be reflected in these reports. The reports that are not suffixed as *Default* are editable and the product related changes, if any, to the reports for future release will not impact these reports

Search for a Subledger Reports Configuration

The search feature enables you to filter the list of existing configurations and find the configurations that you require. To search for a subledger reports configuration, enter the keyword in the **Name** field before clicking the **Search** icon.

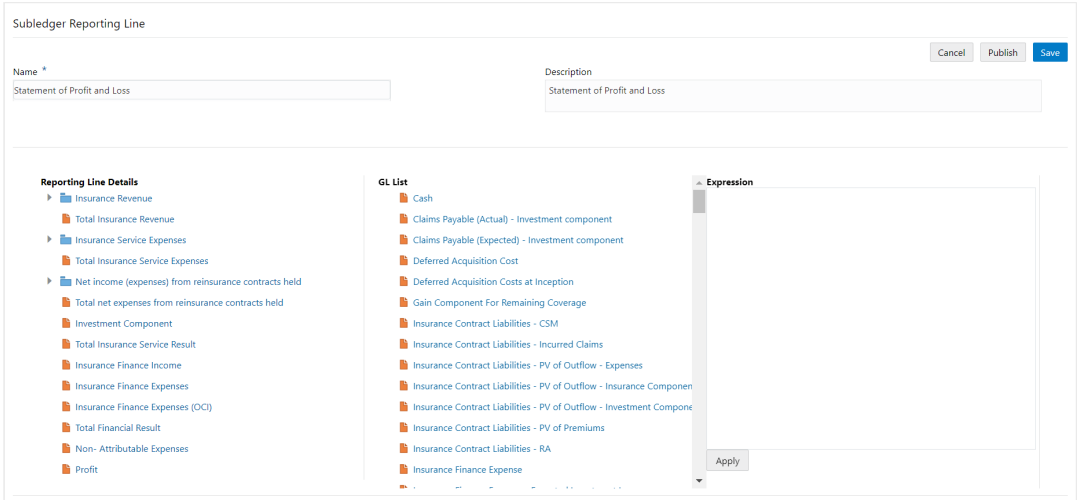
The list of subledger reports that match your search criteria are displayed.

Edit a Subledger Reporting Line Summary

Perform the following steps to edit a Subledger Reporting Line:

1. In the **Subledger Reporting Line** pane, select the checkbox adjacent to the subledger reporting line that you want to edit.
2. Click **Edit**, to open the **Subledger Reporting Line** window.

Figure 3-44 Subledger Reporting Line



3. Update the **Name** and **Description** fields.
4. In the **Reporting Line Details** section select a reporting line.
5. In the **Expression** section, from the **GL List** section select the desired expressions and then click **Apply**.
6. Click **Publish** and then click **Save**.
   The edited Subledger Reporting Line is displayed in the **Subledger Reporting Line** pane.

View a Subledger Report Configuration

Perform the following steps to view a Subledger Reporting Line:

1. In the **Subledger Reporting Line** pane, select the checkbox adjacent to the Subledger Reporting Line that you want to view.
2. Click **View**, to open the **Subledger Reporting Line** window.
3. Click the desired Reporting Line Details to view the current expression.

> **Note:**
>
> You cannot edit any of the fields in *View* mode.

4. Click **Cancel** to go back to the **Subledger Reporting Line Summary** window.

References

This section covers the reference topics.

Object Migration

Object Migration of multiple versions of Oracle Insurance Accounting Analyzer Extension PAck definitions are supported.

The following OIAA EP features definition versions are supported in Object Migration:

- Calculation Preference
- Liability Calculation
- Reinsurance Settlement

Specific versions of a definition can be selected for object migration. Note that when the parent definition is selected for migration, only the parent is migrated and not the underlying children. But when a child is selected for migration, the parent too is migrated.