

Oracle® Insurance Accounting Analyzer Extension Pack User Guide



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

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Oracle Insurance Accounting Analyzer Extension Pack User Guide, Release 8.1.2.5.0

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1

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 enables insurers to perform a detailed and granular analysis of change in their Insurance Contract Liabilities based on Cash-Flow Sources and actuarial-analysis steps specific to them.

Insurers will benefit from the management insights that they will derive from the detailed and granular analysis of change.

Also, insurers will find it easier to source the data from their upstream actuarial applications and perform more granular downstream Subledger Accounting.

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: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• 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

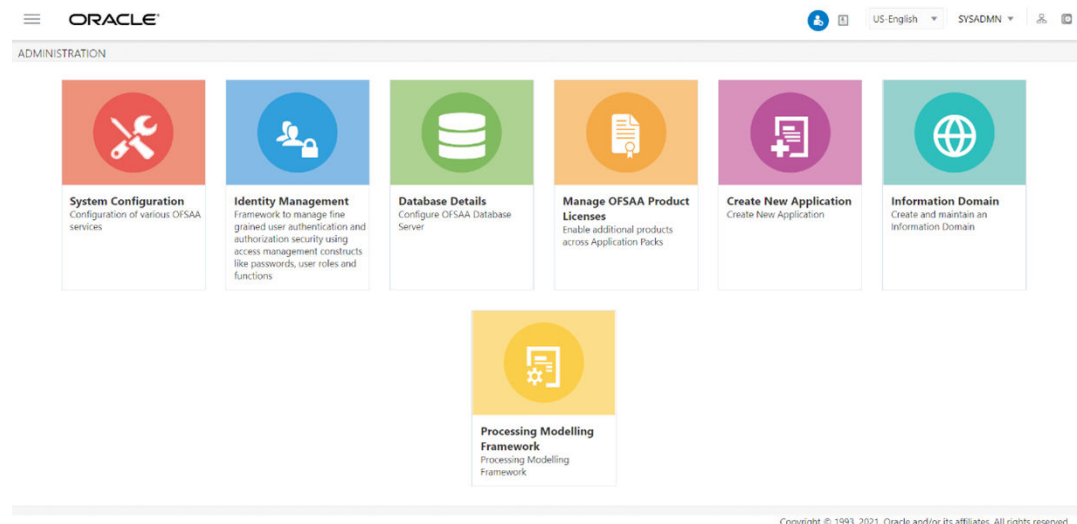
Field	Description
Object Administration	Object Administration is an integral part of the infrastructure and facilitates system administrators to define the security framework. See the OFS Advanced Analytics Infrastructure User Guide for details.
Common Object Maintenance	Common Object Maintenance is 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:

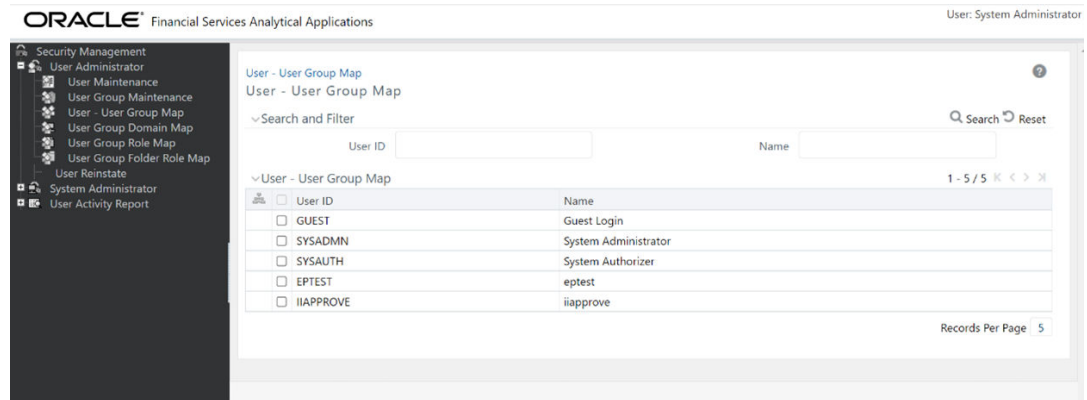
1. Log in as a System Administrator.
2. On the landing page, select **Identity Management**.

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

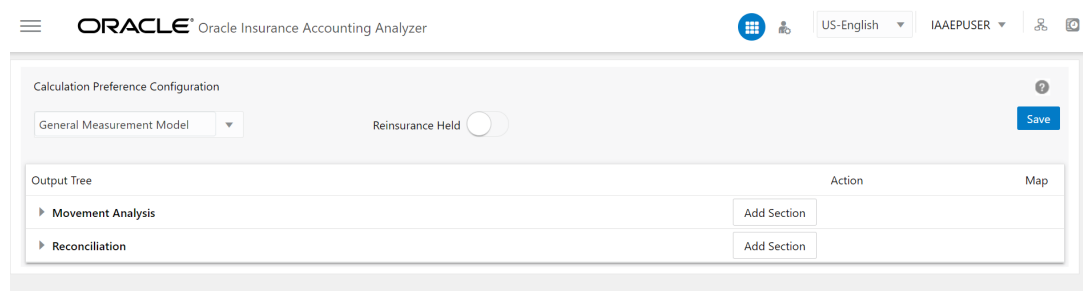
This chapter provides the functional as well as a business overview of the Oracle Insurance Accounting Analyzer Extension Pack workflow. The Extension Pack, as the name suggests, is an extension of Oracle Insurance Accounting Analyzer, therefore the features that are available on Oracle Insurance Accounting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

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 3-1 The Calculation Preference Configuration Page



2. Select a calculation method from the drop-down list. The available options are:
 - General Measurement Model (GMM)
 - Long Duration Contracts
 - Premium Allocation Approach (PAA)
 - Variable Fee Approach (VFA)

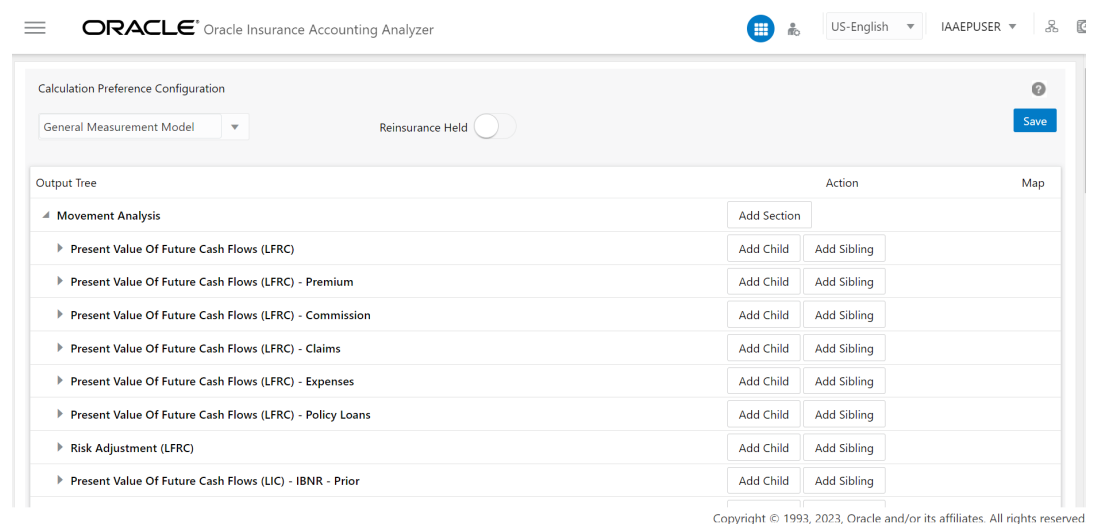
Note:

The **Reinsurance Held** slider is only available for the GMM, PAA, and LDTI 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.

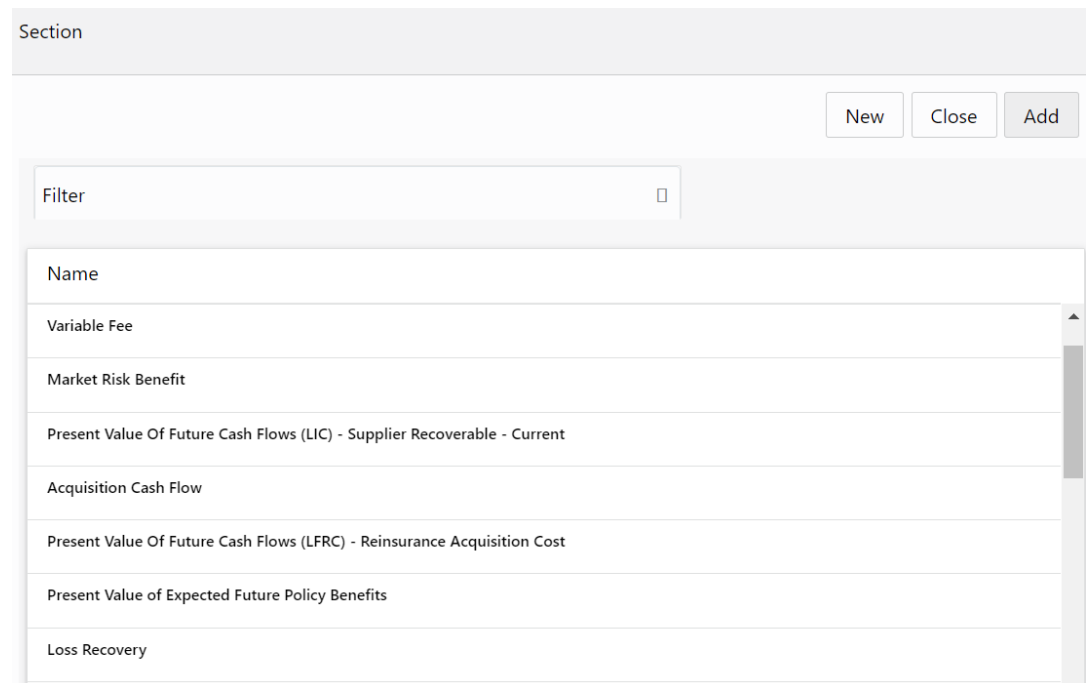
3. In this window, select an output variable from the list. You can also type the name of an output variable in the Filter field to filter the output variables in the list.
4. In the **Output Tree** pane, click the arrow icons to expand or collapse the Output Parameters.

Figure 3-2 The Extension Pack Template Page



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

Figure 3-3 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 3-4 The Output Variable Window

The screenshot shows the 'Output Variable' window with a 'Filter' field and a list of variables. The 'New' button is highlighted.

Name	Path Reference
Insurance Finance Income or Expense N_MA_PV_LFRC_INS_FIN_INC_EXP	Movement Analysis -> Present Value Of Future Cash Flows (LFRC)
Inception Value - New Business N_MA_RA_CHG_FUT_SERV_NEW	Movement Analysis -> Risk Adjustment (LFRC)
Insurance Finance Expense N_MA_RA_LFRC_INS_FIN_EXP	Movement Analysis -> Risk Adjustment (LFRC)
Changes In Estimates Impacting CSM N_MA_CSM_CHG_EST_IMP_CSM	Movement Analysis -> Contractual Service Margin
Interest Accretion N_MA_CSM_INTEREST_ACCR	Movement Analysis -> Contractual Service Margin
Insurance Finance Expense (OCI) N_MA_CSM_INS_FIN_EXP_OCI	Movement Analysis -> Contractual Service Margin
Release for Current Period N_MA_CSM_REL_CUR_PERIOD	Movement Analysis -> Contractual Service Margin

- 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 3-5 The Window for Creating a New Output Variable if the Reinsurance Held slider is enabled

The screenshot shows the 'Output Variable' window for creating a new variable. The 'Reinsurance Held' toggle is turned on.

Code:

Name:

Default Constant:

Opening Balance:

Closing Balance:

Reinsurance Held:

Create

Figure 3-6 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

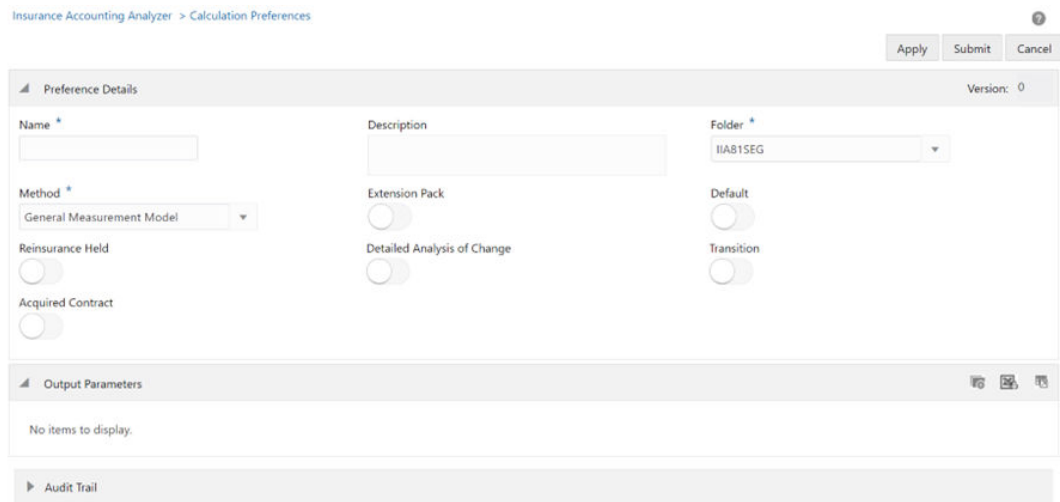
Perform the following steps to create a new Calculation Preference Definition by using a new Output Variable:

 **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](#).

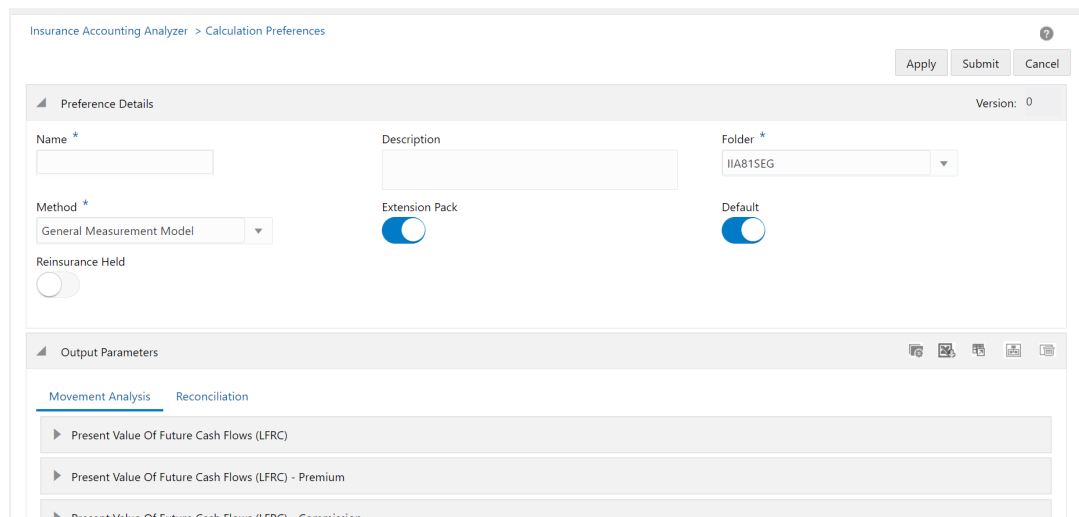
1. In the **Calculation Preference** window, click **Add** to open the **Calculation Preferences** window.

Figure 3-7 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 3-8 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 3-9 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 3-10 The Acquired Expression field in the Calculation Configuration Window

The screenshot shows a window titled "Acquired Expression" with a large text input area. The window has a title bar with a close button (X) and a maximize button (square). At the bottom right, there are "OK" and "Cancel" buttons.

Figure 3-11 The Fair Value Approach Expression field in the Calculation Configuration Window

The screenshot shows a window titled "Fair Value Approach Expression" with a large text input area. The window has a title bar with a close button (X) and a maximize button (square). At the bottom right, there are "OK" and "Cancel" buttons.

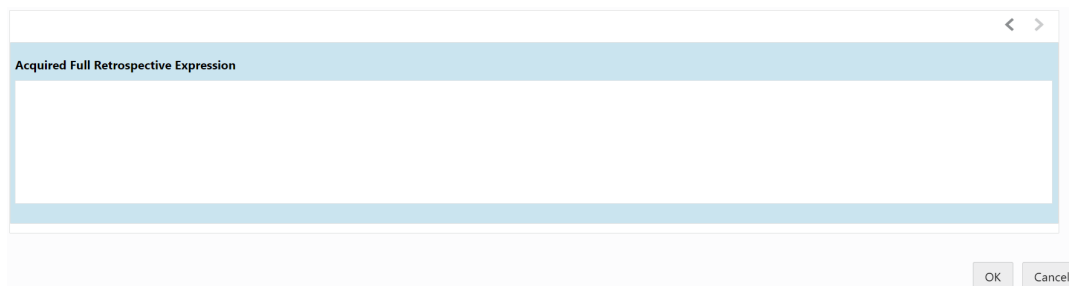
Figure 3-12 The Full Retrospective Expression field in the Calculation Configuration Window

The screenshot shows a window titled "Full Retrospective Expression" with a large text input area. The window has a title bar with a close button (X) and a maximize button (square). At the bottom right, there are "OK" and "Cancel" buttons.

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

The screenshot shows a window titled "Modified Retrospective Expression" with a large text input area. The window has a title bar with a close button (X) and a maximize button (square). At the bottom right, there are "OK" and "Cancel" buttons.

Figure 3-14 The Acquired Full Retrospective Expression field in the Calculation Configuration Window



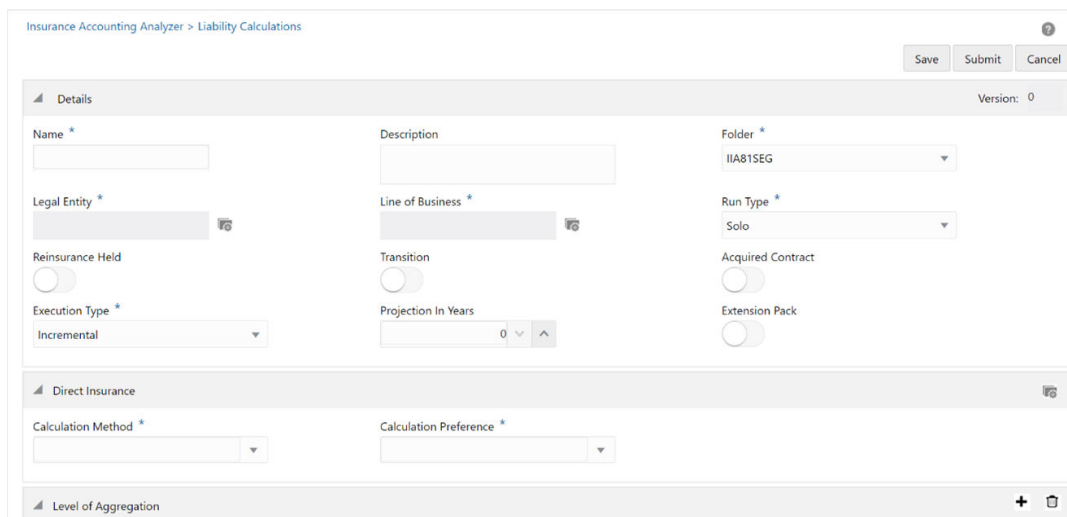
6. Additionally, in the **Output Parameters** pane, click the **Download** icon to download the Calculation Preference formula in an Excel format to your local system. You can modify the formula in this downloaded template and then click the **Import** icon in the **Output Parameters** pane to import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

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 3-15 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](#).

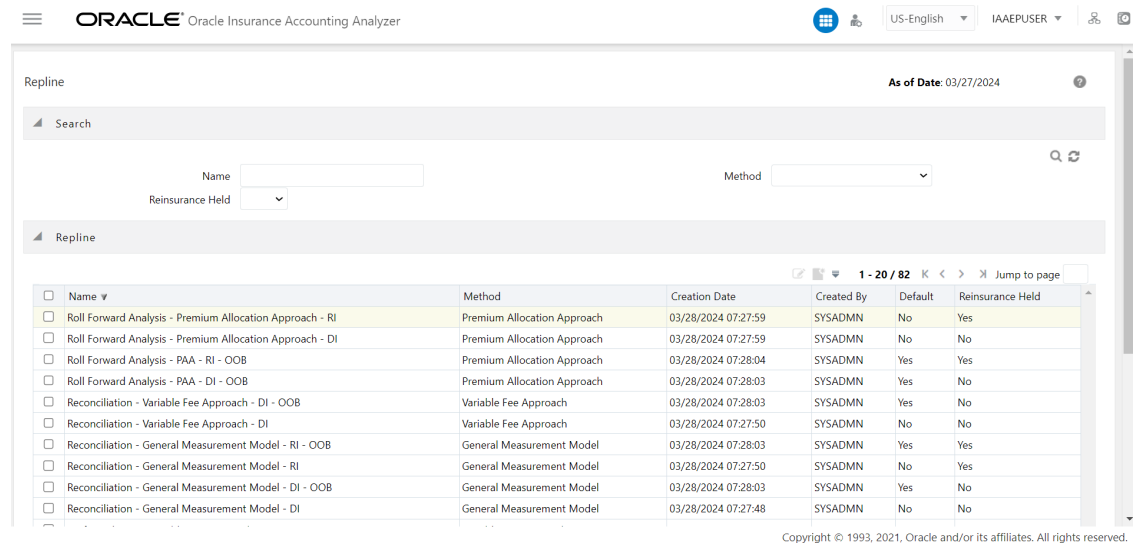
Report Configuration

Access Repline Configuration

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

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

Figure 3-16 The Repline Configuration Window



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

Search for a Repline

The search feature enables you to filter the list of existing definitions and find the definitions 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 replines that match your search criteria are displayed.

Modify or Add a Repline

Perform the following steps to modify or add a repline:

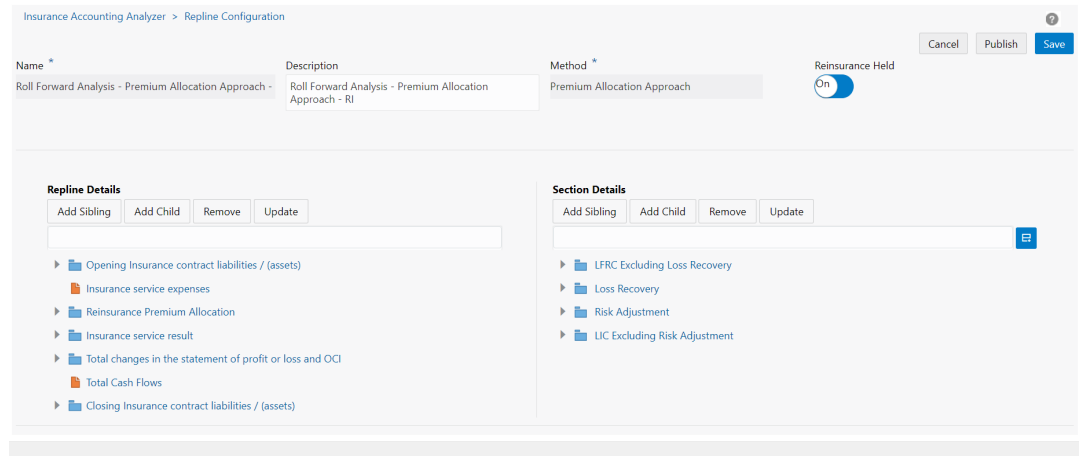


Note:

Only replines that contain the status as *No* for in the **Default** and **Reinsurance Held** columns can be modified.

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

Figure 3-17 The Repline Configuration Window



3. Update the desired fields.

Field	Description
Name	The name field is populated by default with the name of the selected repline/report. This field is disabled for modification.
Description	Modify the description of the repline.
Method	The method field is selected by default and is disabled for modification.
Reinsurance Held	This field is disabled for modification.
Add Sibling/Add Child (Repline and Section Details)	Click these buttons to add a sibling or a child via the Repline window: <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> • Name - Enter a name. • Description - Enter a description. d. Click Create. e. Click Add f. Additionally, click Close to exit this window.
Remove (Repline and Section Details)	Select an entry from the Repline and Section Details section and then click Remove to remove the entry.
Update	Click this button to update the list.

Field	Description
Mapping (Section Details)	<p>Select a repline and a section from the Repline Details and Section Details sections respectively and then click the Mapping icon. The mapping window for the selected repline and section appears:</p> <ol style="list-style-type: none"> Select a value from the Section drop-down list Select a value from the Expression Type drop-down list Select the desired output variables to build the expression in the Expression field. Click Apply.

- Click **Save**.
- Click **Publish**.
The updated repline appears in the list of replines on the **Repline** page.

View a Repline

Perform the following steps to view a repline:

- On the **Repline** page, select the checkbox adjacent to the repline you want to view.
- Click the **View** icon, to open the **Repline Configuration** window.



Note:

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

- Click **Cancel** to go back to the **Repline** page.

Subledger Attributes

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

Figure 3-18 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 3-19 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 3-20 The Subledger Process Window

Subledger Process ?

Definition Details Accounting Rules Accounting Rules Criteria Aggregation Logic Source Run

Subledger Definition

Legal Entity *	<input type="text"/>		GAAP Code *	Afghanistan GAAP	▼
Line Of Business *	<input type="text"/>		Calculation Method *	General Measurement Model	▼
Run Type *	Solo	▼	Reporting Currency *	US Dollar	▼
Status	Draft				
Effective From Date *	07/18/2023		Version	0	
Execution Type	Incremental				
			Select General Ledger Accounts *		
			Extension Pack Enabled	<input type="checkbox"/>	