

Getting Started:

Creating Report with Auditchain Luca Using Templates

This document explains step-by-step the very basics of getting started with Auditchain Luca. This guide makes use of the development version of Auditchain Luca.

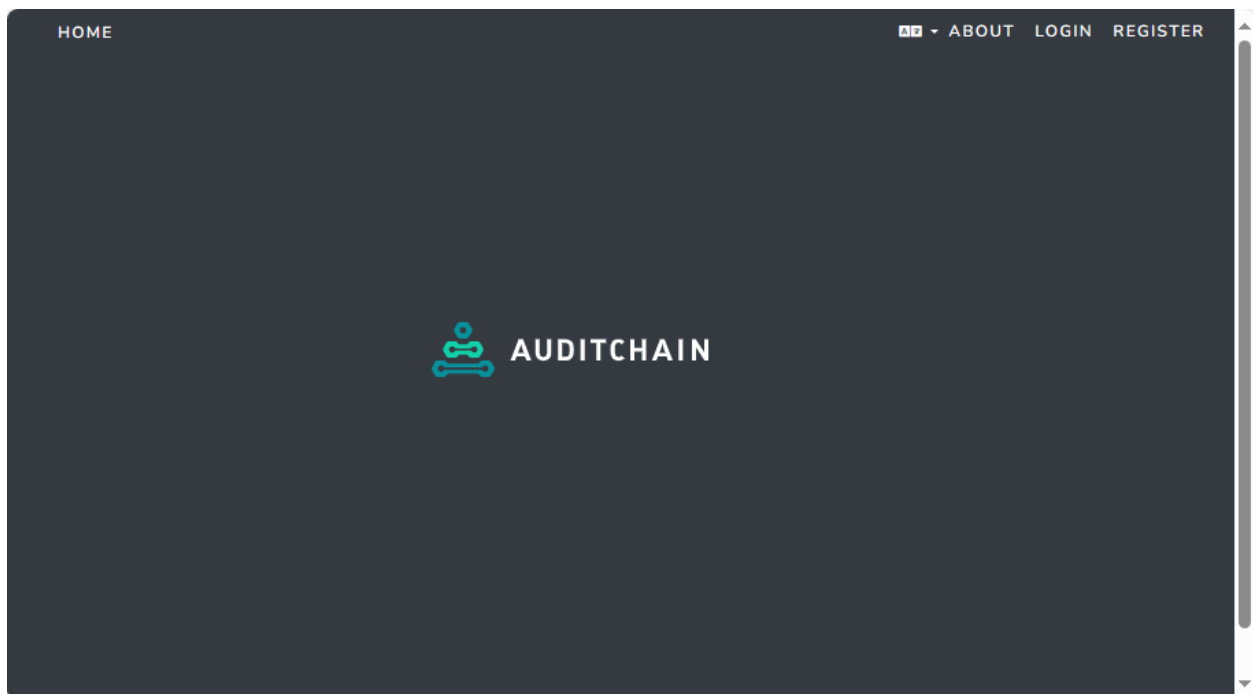
This video walks you through the steps shown in this document: https://youtu.be/afpLJcM_fDU

STEP 1: Go to the Auditchain Suite web site.

<https://dev.auditchain.finance/>

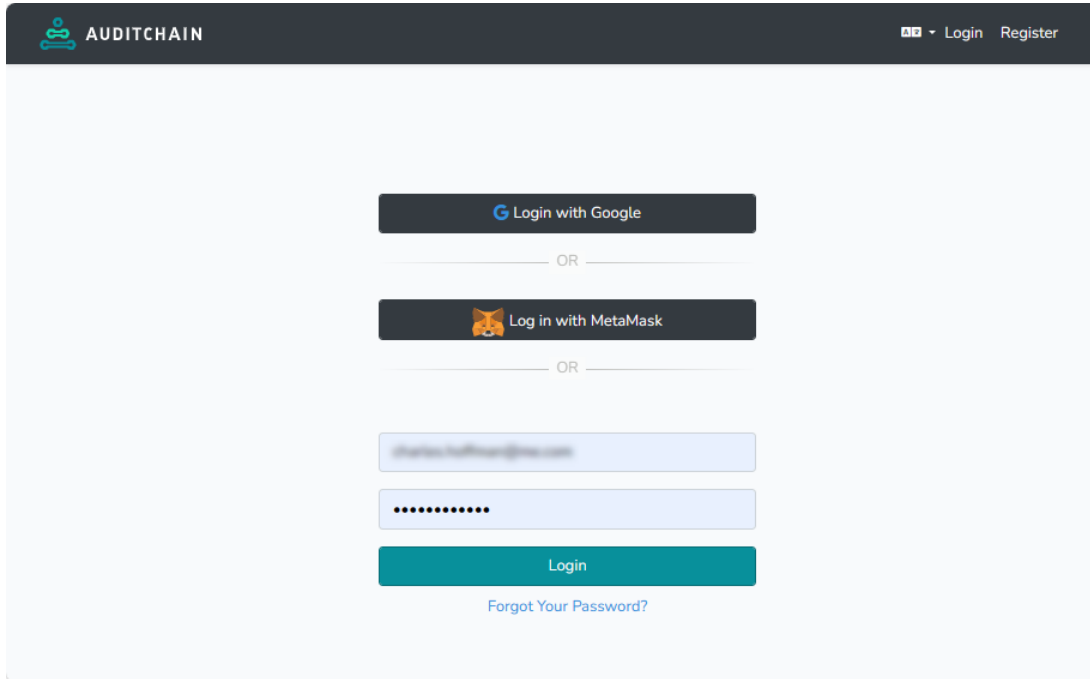
Auditchain Luca works best using the Firefox browser which receives the most testing, but also works well and has been tested using Google Chrome and Microsoft Edge.

This document assumes that you have already registered with Auditchain Suite and that you have a valid login.



STEP 2: Login to Auditchain Suite.

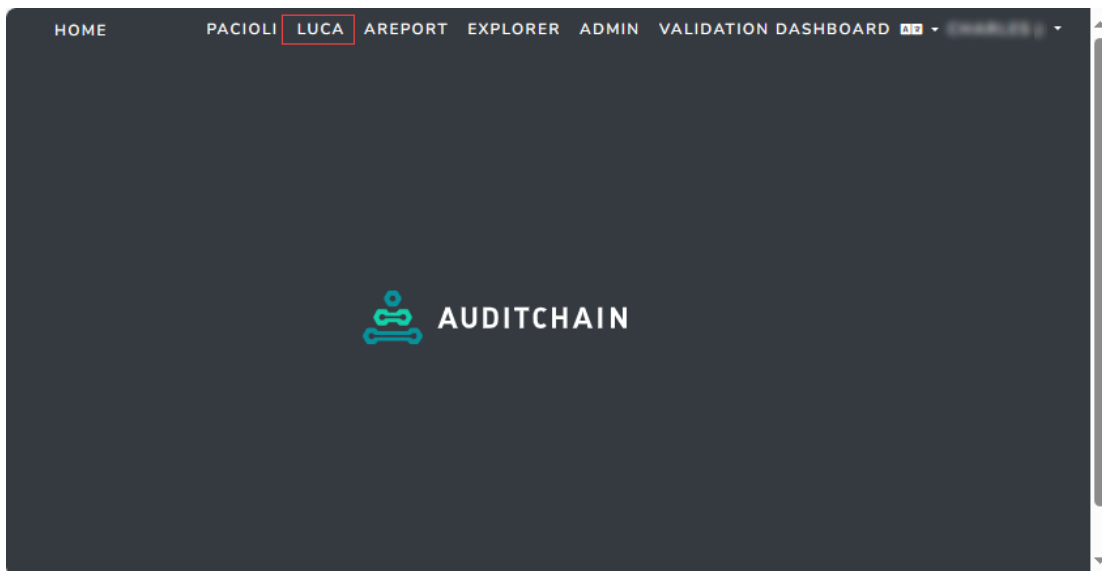
After having registered and having verifying your email address per the instructions sent, login to Auditchain Suite by entering your email address and password. Then press the green “Login” button.



STEP 3: Select Luca.

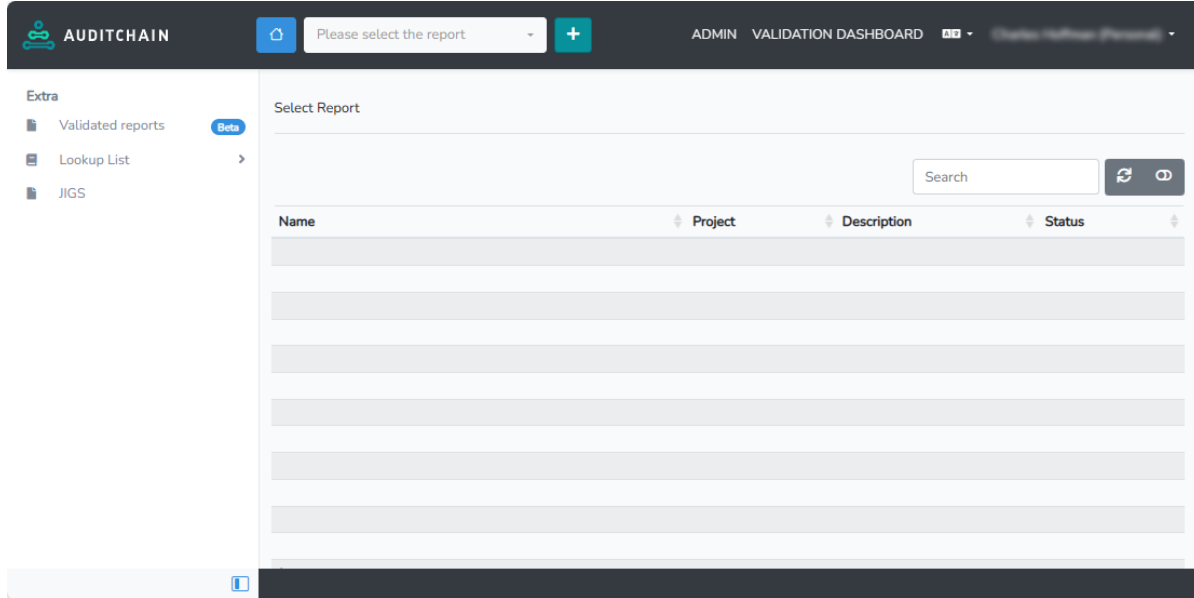
After logging in you will be taken to a form that looks similar to the form below with your login information shown on the RIGHT. (The login information below is blurred).

Click on “LUCA”.



STEP 4: Main form of Luca.

You will be taken to the main form of Luca which is a list of reports that you have created. Because you have not created any reports, your list of reports will be empty. If you have created a report, that report will be shown within your list of reports.



STEP 5: Create a New Report.

Press the green “+” button and you will be prompted to add a new report. Type in the name of the report you would like to create such as “Report Loaded from Templates” into the Report name text box. Then press the “Create a report” button.

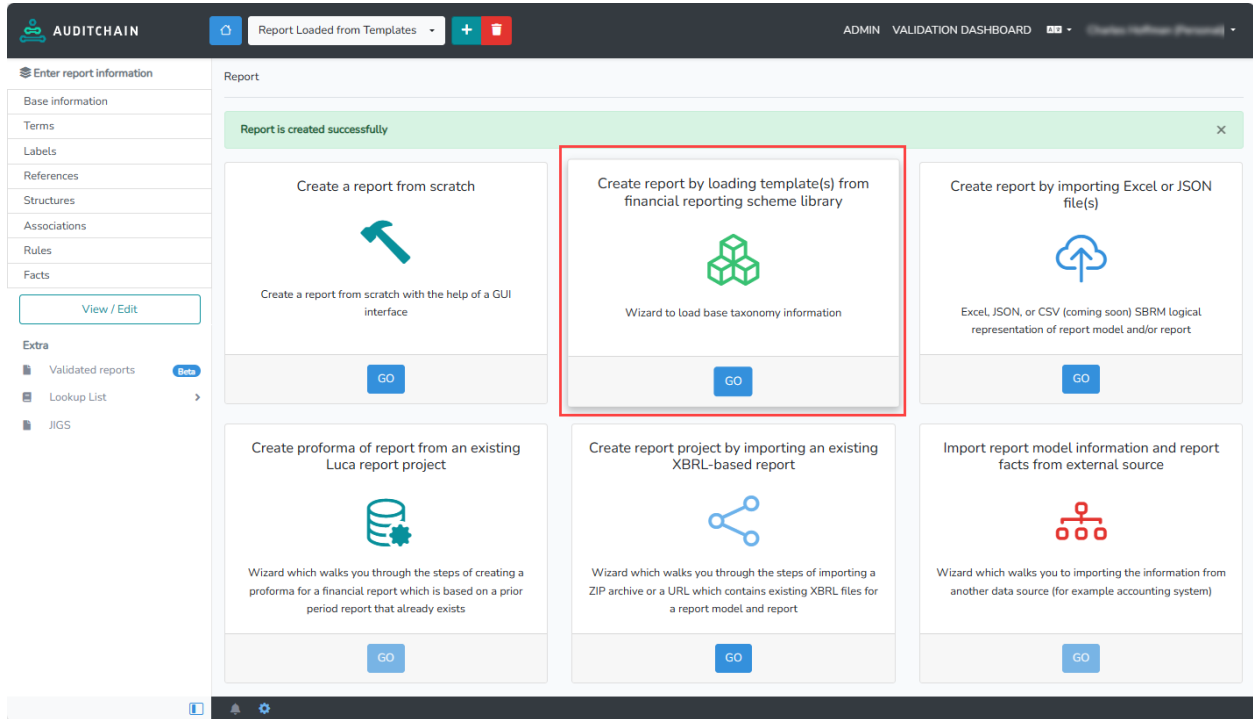


STEP 6: Create report by loading template(s) from financial reporting scheme library.

There are many approaches that can be used to create a report: API, manually enter information, import information from a reporting scheme template to name a few.

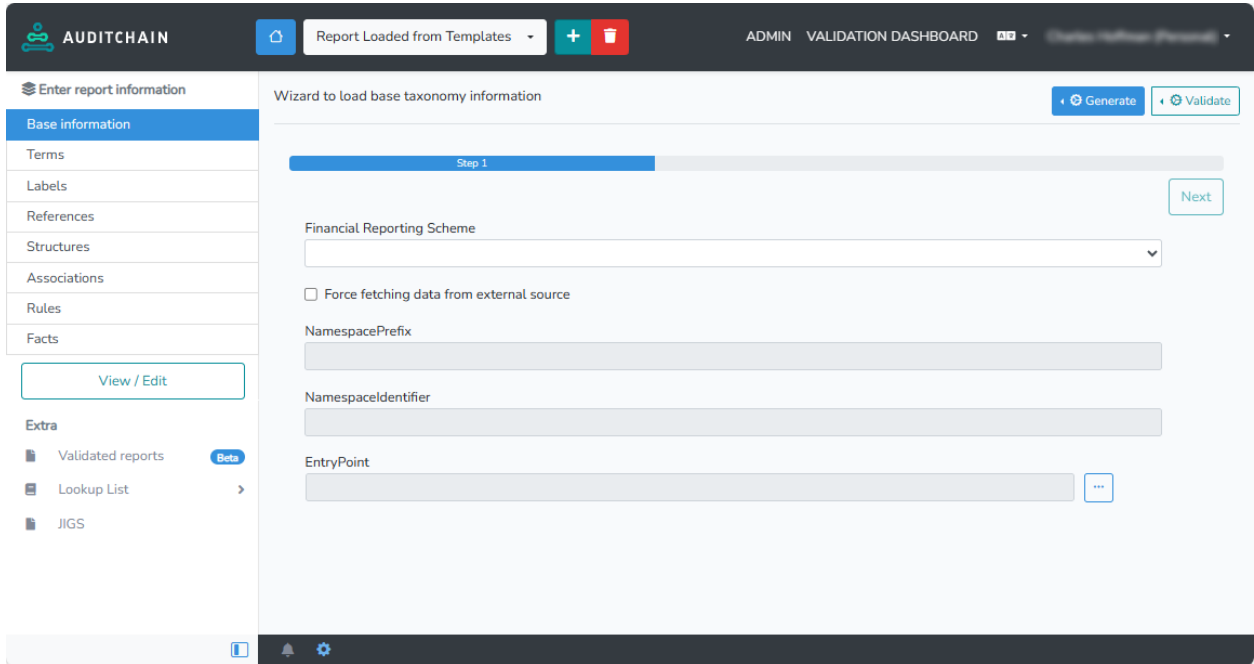
To create this specific report, we will load report model and report information from a set of financial reporting scheme templates and autogenerate a proforma first draft of the financial statement.

Select “Create report by loading template(s) from financial reporting scheme library” and then press the blue “GO” button:

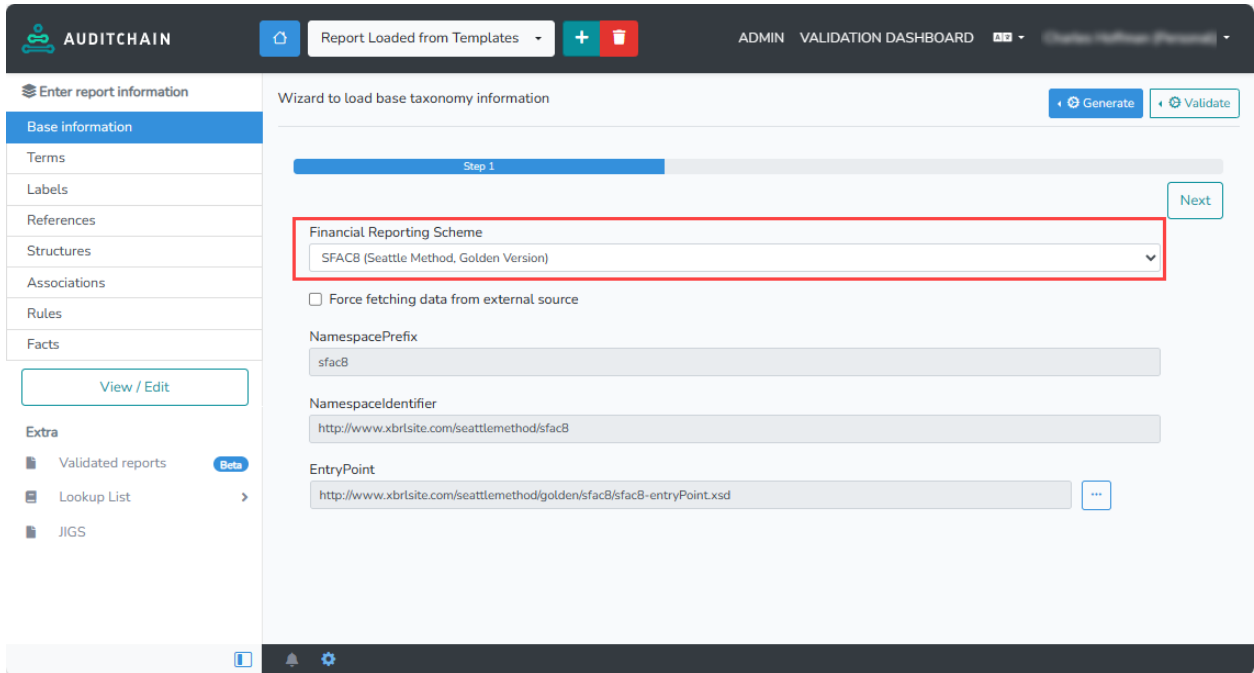


STEP 7: Wizard to load base taxonomy information from a financial reporting scheme template.

After you pressed the “GO” button in the above step; the following form will be shown in the Auditchain Luca software application. Click the combo box to select a “Financial Reporting Scheme”:



Select the “**SFAC8 (Seattle Method, Golden Version)**” financial reporting scheme. You will see information about that financial reporting scheme appear. Press the “Next” button on the right.



Note that Auditchain Luca has 35 financial reporting schemes, all of which follow the exact same framework.

STEP 8: View the imported report information.

After you press the “Next” button per the last step, the following form will appear. Expand the first structure “11-Statement of Financial Position” by right clicking over that line and select “Expand All”. Be sure that first structure is selected. Then, also select the “21-Statement of Comprehensive Income” and “31-Statement of Changes in Equity”:

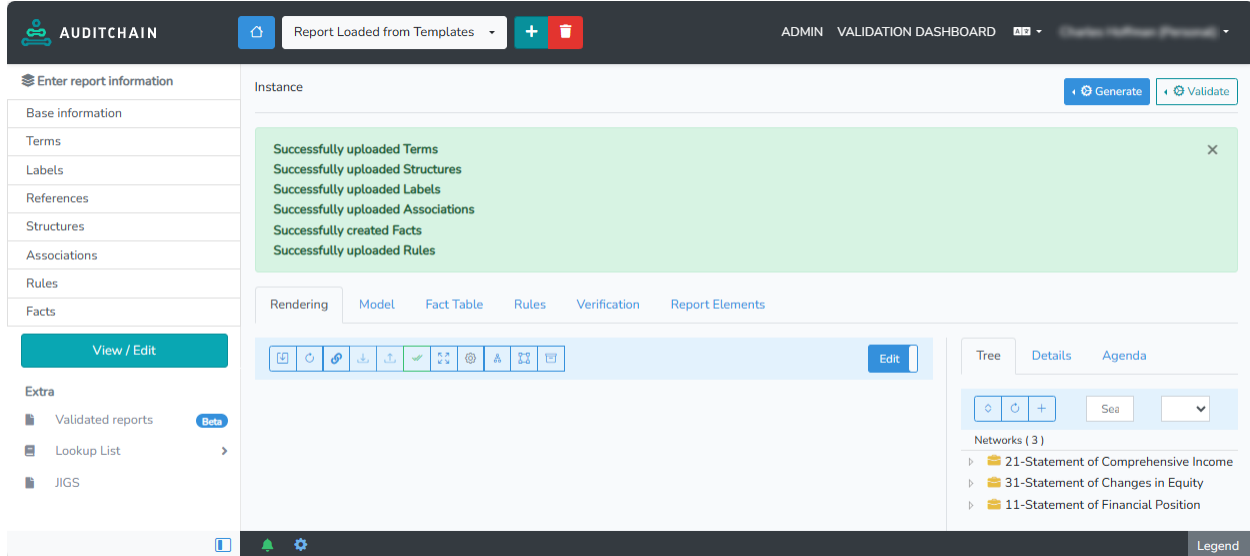
The screenshot displays the AUDITCHAIN application interface. At the top, there's a navigation bar with 'AUDITCHAIN' logo, a dropdown menu showing 'Report Loaded from Templates', and 'ADMIN VALIDATION DASHBOARD' with a user profile. The main content area is titled 'Wizard to load base taxonomy information' and is in 'Step 2'. It features a progress bar and a row of checkboxes for various taxonomy elements: Terms, Labels, References, Structures, Associations (checked), Rules (checked), Proforma Facts (checked), Disclosures, Reporting checklist, and Templates. Below this is a table with columns for 'NamespacePrefix', 'NamespaceIdentifier', and 'SchemaLocation'. The table contains one row with the value 'sfac8' in the first two columns and a long URL in the third. A search bar is located above the table. To the right of the table is a tree view of financial statements, including '11-Statement of Financial Position', '12-Statement of Net Assets', '21-Statement of Comprehensive Income', '22-Statement of Comprehensive Income (Alternative)', '23-Statement of Changes in Net Assets', '31-Statement of Changes in Equity', and '32-Statement of Changes in Fund Balance'. The '11-Statement of Financial Position' is expanded to show sub-items like 'Balance Sheet [Hypercube]', 'Balance Sheet [Line Items]', and 'Balance Sheet [Arithmetic]'. The 'Assets', 'Liabilities', and 'Equity' sub-items are also expanded. A 'Legend' button is visible at the bottom right of the interface.

Note in the middle where “Associations”, “Rule”, and “Proforma Facts” have all been selected by default. This allows the report creator to tune what they load from the financial reporting scheme.

Pres the green “Next” button to load the selected template structures into the report you created and generate facts for the report.

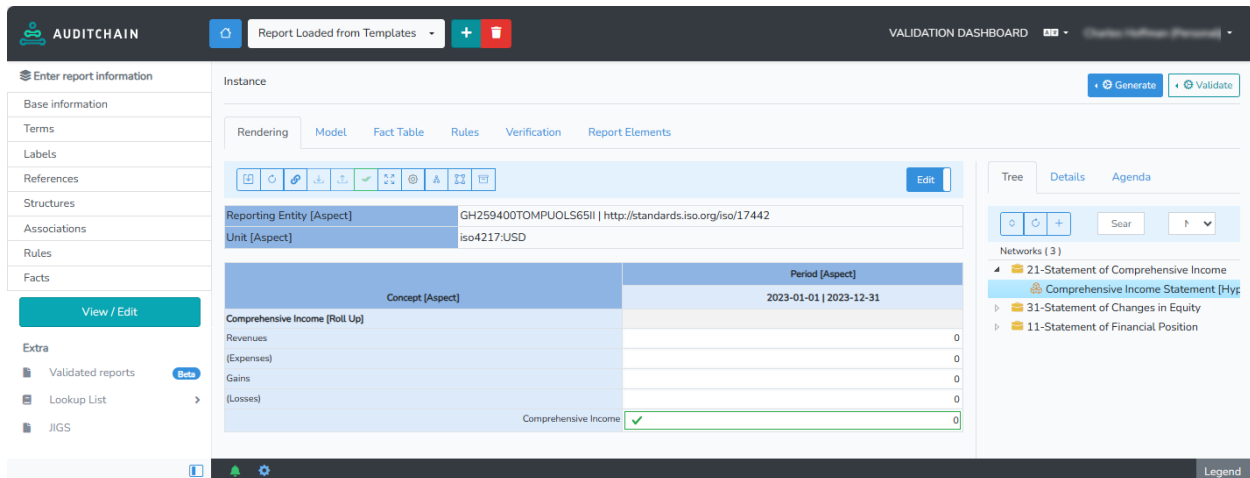
STEP 9: Proforma report was generated.

A complete proforma report was generated for you including proforma facts being generated. Note the messages in green letting you know what was created in your report from loading the information for the financial reporting scheme you selected.



The screenshot shows the AUDITCHAIN interface. On the left is a sidebar with 'Enter report information' and various categories like Base information, Terms, Labels, References, Structures, Associations, Rules, and Facts. The main area is titled 'Instance' and has 'Generate' and 'Validate' buttons. A large green box contains the following text: 'Successfully uploaded Terms', 'Successfully uploaded Structures', 'Successfully uploaded Labels', 'Successfully uploaded Associations', 'Successfully created Facts', and 'Successfully uploaded Rules'. Below this are tabs for 'Rendering', 'Model', 'Fact Table', 'Rules', 'Verification', and 'Report Elements'. A toolbar with various icons and an 'Edit' button is visible. On the right, there's a 'Tree' view showing a list of networks: '21-Statement of Comprehensive Income', '31-Statement of Changes in Equity', and '11-Statement of Financial Position'.

Click the “X” in the upper right hand corner of the green area with the messages. Select the first structure in the report. What you see should look like the following:



The screenshot shows the AUDITCHAIN interface with the 'Comprehensive Income Statement' selected in the tree view. The main area displays a table with the following data:

Reporting Entity [Aspect]	GH259400TOMPUOL65II http://standards.iso.org/iso/17442
Unit [Aspect]	iso4217:USD
Concept [Aspect]	Period [Aspect]
Comprehensive Income [Roll Up]	2023-01-01 2023-12-31
Revenues	0
(Expenses)	0
Gains	0
(Losses)	0
Comprehensive Income	0

The 'Comprehensive Income' row has a green checkmark in the status column.

From form, in the upper right side select the “Validate” button and then the “Local validation” sub menu item.

The report you created is validated and the report is fully valid. You will see this in the form that appears after the validation process has completed, usually in a couple of seconds:

AUDITCHAIN Report Loaded from Templates ADMIN VALIDATION DASHBOARD

Enter report information

Base information

Terms

Labels

References

Structures

Associations

Rules

Facts

View / Edit

Extra

Validated reports **Beta**

Lookup List

JIGS

Internal Validation

Analysis of: Report

#	Verification Category	Result
1	XBRL Technical Syntax Verification	✓
2	Report Mathematical Computations Verification (XBRL Calculations)	✓
3	Report Mathematical Computations Verification (XBRL Formula)	✓
4	Report Model Structure Verification	✓
5	Fundamental Accounting Concept Consistency Crosschecks Verification	✓
6	Type-subtype (wider-narrower) Associations Verification	✓
7	Disclosure Mechanics Verification	✓
8	Report Disclosure Checklist Verification	✓
9	Other	✓

Messages

#	Type	Stage	Message
1	info	loaded in 0.55 secs at 2024-01-23T18:08:10	dev.auditchain.finance/storage/aa03cb7b-e95e-405e-b3e1-9fe4e893e5a5/1920f98d/instance.xml
2	info	validated in 0.87 secs	dev.auditchain.finance/storage/aa03cb7b-e95e-405e-b3e1-9fe4e893e5a5/1920f98d/instance.xml

Click on any of the validation line items for additional details. For example, clicking on the validation line number “6” which is type-subtype validation, you will see the following:

AUDITCHAIN Report Loaded from Templates ADMIN VALIDATION DASHBOARD

Enter report information

Base information

Terms

Labels

References

Structures

Associations

Rules

Facts

View / Edit

Extra

Validated reports **Beta**

Lookup List

JIGS

Type SubType Graph

Generate Validate

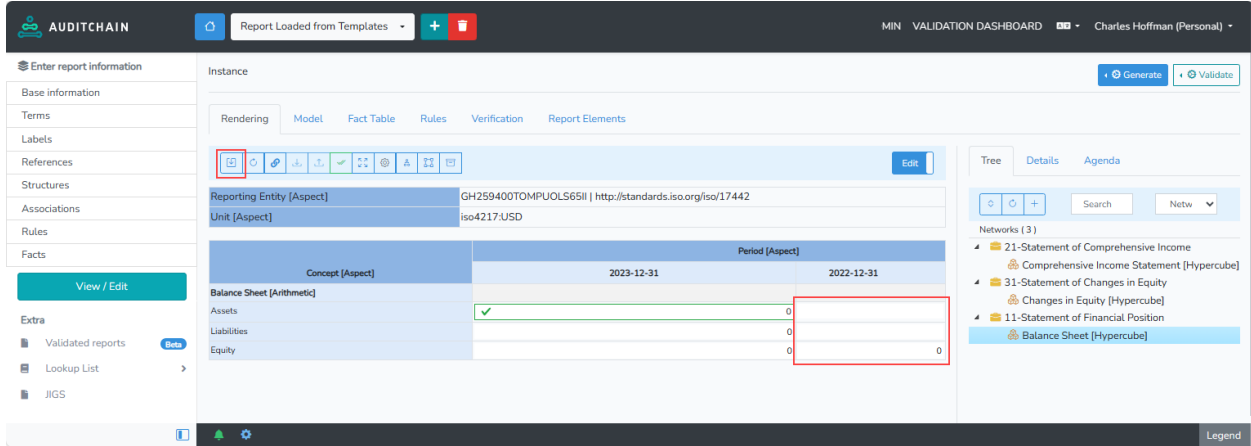
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graph LR
    cmThing[cm:Thing] -- General-Special --> cmDisclosure[cm:Disclosure]
    cmThing -- General-Special --> cmConcept[cm:Concept]
    cmThing -- General-Special --> cmHypercube[cm:Hypercube]
    cmConcept -- General-Special --> sfacAssets[sfac:Assets]
    cmConcept -- General-Special --> sfacLiabilities[sfac:Liabilities]
    cmConcept -- General-Special --> sfacEquity[sfac:Equity]
    cmConcept -- General-Special --> sfacComprehensiveIncome[sfac:ComprehensiveIncome]
    cmConcept -- General-Special --> sfacDistributionsToOwners[sfac:DistributionsToOwners]
    cmConcept -- General-Special --> sfacInvestmentsByOwners[sfac:InvestmentsByOwners]
    cmConcept -- General-Special --> sfacBalanceSheetHypercube[sfac:BalanceSheetHypercube]
    cmHypercube -- General-Special --> sfacComprehensiveIncomeStatementHypercube[sfac:ComprehensiveIncomeStatementHypercube]
    sfacAssets -- Has-Part --> sfacRevenues[sfac:Revenues]
    sfacAssets -- Has-Part --> sfacExpenses[sfac:Expenses]
    sfacComprehensiveIncome -- Has-Part --> sfacGains[sfac:Gains]
    sfacComprehensiveIncome -- Has-Part --> sfacLosses[sfac:Losses]
  
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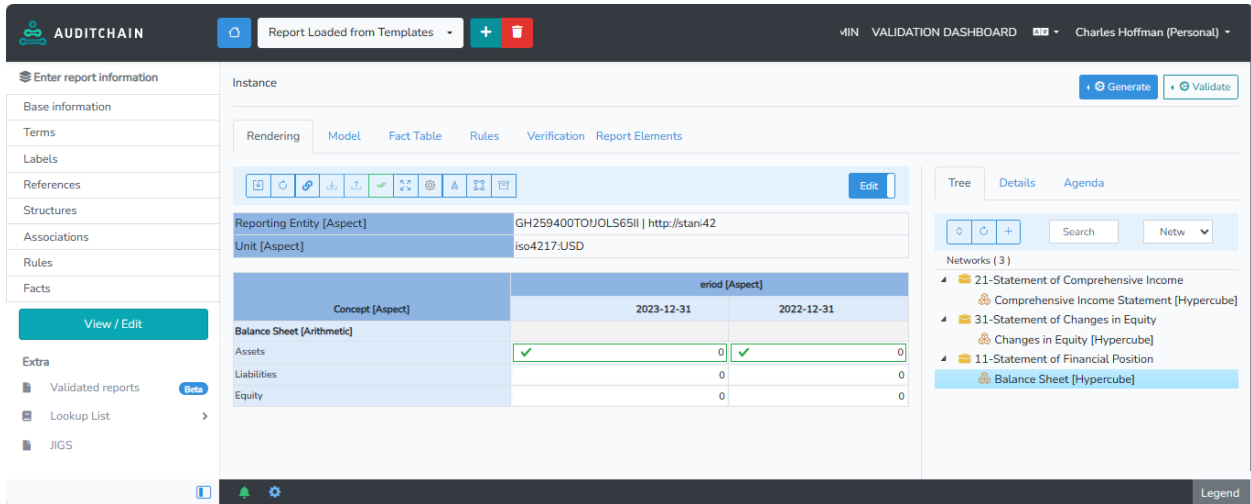
Console

STEP 10: Add facts for balance sheet.

Select the structure “11-Statement of Financial Position” and then the “Balance Sheet [Hypercube]”. Note that for one of the two columns, two fact values are missing. Add those fact values simply by putting a 0 into each of the empty cells:



Press the “Save” menu icon highlighted in red above. Then, your form should look as follows:



So now, enter fact values for each of the facts in all three statements. Notice how the three statements are interconnected and that the software understands those interconnections.

STEP 11: Have a look at the report model and report properties.

Click on the blue gear in the black status bar at the bottom of the application. After you click, the form you see should look like this:

The screenshot shows the AUDITCHAIN application interface. The top navigation bar includes the logo, 'Report Loaded from Templates', and 'ADMIN VALIDATION DASHBOARD'. The left sidebar contains 'Enter report information' with a 'View / Edit' button and 'Extra' options like 'Validated reports', 'Lookup List', and 'JIGS'. The main content area is divided into two panels:

- State Properties:** A list of properties with counts:
 - Reporting scheme: 2
 - Fact count: 13
 - Structure count: 3
 - Hypercube count:** 3
 - Hypercube (explicit): 3
 - Hypercube (implied): 0
 - Block count: 3
 - Disclosure count: 3
 - Pattern count:** 3
 - Set:
 - Roll Up: 1
 - Roll Forward: 1
 - Roll Forward Info: 1
 - Adjustments: 1
 - Variances: 1
 - Text Blocks: 1
 - Member Aggregation: 1
 - Arithmetic: 1
 - Validation inconsistencies depending on SBRM:** 0
 - XBRL Calculation: 0
 - XBRL Formula: 0
 - Model structure: 0
- Report Elements:** A table showing the distribution of report elements:

	All	Local (Added)	Percent
Structure	3	3	100.00%
Hypercube	3	0	0.00%
Dimensions	0	0	0.00%
Members	0	0	0.00%
LineItems	3	0	0.00%
Abstracts	3	0	0.00%
Concepts	10	0	0.00%

STEP 12: Have a look at the report notifications.

Click on the green bell in the black status bar at the bottom of the application. After you click, the form you see should look like this:

The screenshot shows the AUDITCHAIN application interface with the 'Notification' section open. The top navigation bar and left sidebar are the same as in the previous screenshot. The main content area displays a table of validation rules:

RuleType	Expression	Period	StructureIdentifier	Result
RollUpRule	Comprehensive Income==Revenues-Expenses+Gains-Losses	2023-01-01 2023-12-31	ComprehensiveIncome	true
RollForwardRule	\$Equity_BalanceStart + \$ComprehensiveIncome + \$InvestmentsByOwners - \$DistributionsToOwners = \$Equity_BalanceEnd	2023-01-01 2023-12-31	ChangesInEquity	true
ConsistencyRule	\$Assets = (\$Liabilities + \$Equity)	2023-12-31	BalanceSheet	true
ConsistencyRule	\$Assets = (\$Liabilities + \$Equity)	2022-12-31	BalanceSheet	true

STEP 13: Explore!

Consider exploring the part of the application that lets you enter and edit the details manually which is outlined by the red rectangle at the left of the form below:

The screenshot displays the AUDITCHAIN application interface. On the left, a sidebar menu lists various configuration options: Enter report information (highlighted with a red rectangle), Base information, Terms, Labels, References, Structures, Associations, Rules, and Facts. Below this menu is a 'View / Edit' button and a section for 'Extra' items including 'Validated reports', 'Lookup List', and 'JIGS'. The main area is titled 'Instance' and contains a 'Rendering' tab with sub-tabs for Model, Fact Table, Rules, Verification, and Report Elements. A toolbar with icons and an 'Edit' button is visible. The main content area shows a form with the following fields:

- Reporting Entity [Aspect]: GH259400TOMPULS65II | http://standards.iso.org/iso/17442
- Unit [Aspect]: iso4217:USD

Below these fields is a table with the following structure:

Concept [Aspect]	Period [Aspect]	
	2023-12-31	2022-12-31
Balance Sheet [Arithmetic]		
Assets	0	0
Liabilities	0	0
Equity	0	0

On the right side, there is a 'Tree' view showing a hierarchy of financial statements, with 'Balance Sheet [Hypercube]' selected. The top right of the interface shows 'ADMIN VALIDATION DASHBOARD' and the user 'Charles Hoffman (Personal)'. At the bottom right, there is a 'Legend' button.