Cleva Technical accounting

Business document

Cleva Technical accounting is a solution designed to support the integration of the insurance company's core system with its accounting system.

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Cleva Technical accounting (TAC) has a modular architecture which allows for easy integration with the other applications in the company's ecosystem.

TAC was designed to transform the information from the management events occurred in Cleva Life and Cleva Non-life into accounting transactions that can be integrated into the company's accounting system.

It can work with both Cleva core solutions simultaneously and it integrates with different accounting solutions.

Simplicity
Accounting
Flexibility
Configurability
Interoperability

Key points

- **Configurability –** whenever there is a need to change accounting rules, no software development is required.

- **Simplicity –** it converts the information produced in the technical areas into standard accounting information.

- **Flexibility –** ability to adapt to any accounting system, developing only the layout of the target system.

Breadth of functionality

Configuration of accounting rules: TAC allows configuring the accounting rules necessary for information processing and mapping, without need for further development.
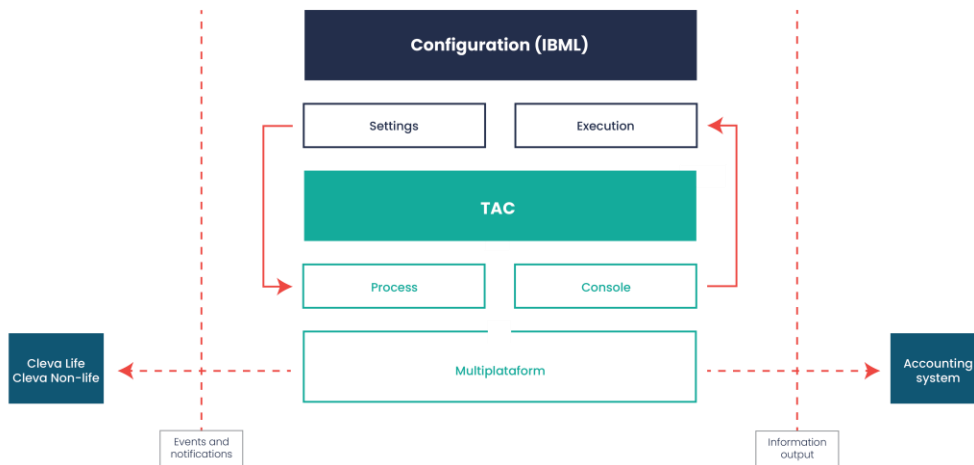
Management console: This console allows monitoring all events and operations processed and making any necessary corrections and reprocessing.

Event and notification system: With this system, all events and notifications are defined as intended beforehand, with subsequent automatic processing in batch.

TAC's information output: The accounting transactions provided by TAC are based on standard accounting concepts.

Multiplatform compatibility: TAC is not attached to a single technology, but rather it can integrate with various platforms.
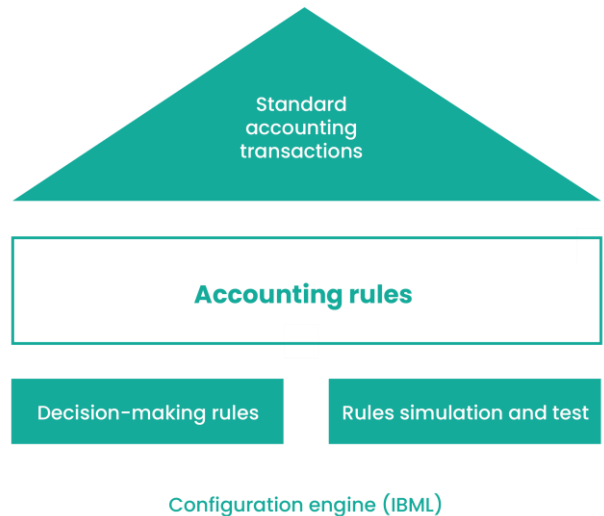
TAC architecture

Configuration of accounting rules

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- TAC allows prior configuration of all accounting rules, which are subsequently automatically executed.

- Configuration is done using IBML (Insurance Business Modelling Language), which allows:
  - setting decision-making rules that define product behaviour;
  - simulating and testing the rules defined;
  - providing the accounting transactions in a format that facilitates their interpretation by any external system (using standard accounting concepts).

Standard accounting transactions

Accounting rules

Decision-making rules

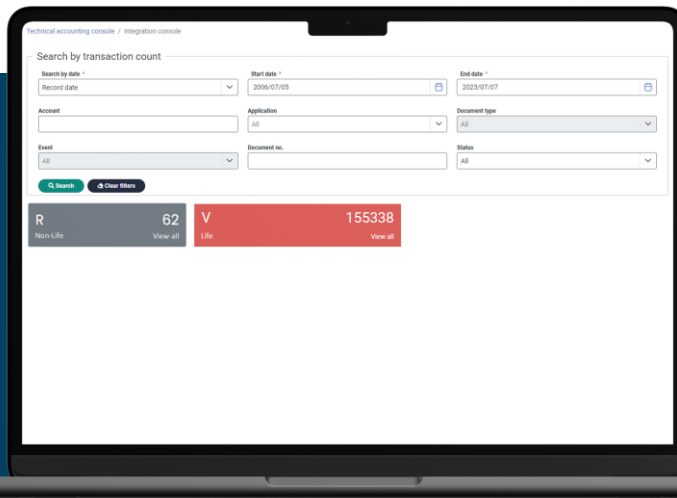Rules simulation and test

Configuration engine (IBML)

Main benefits

- **Configuration and automation** – this solution allows configuring all accounting rules beforehand, with subsequent execution automation, thus allowing for ease of use, data and processing consistency and error reduction.

- **Modelling capacity** – if there are any changes to the accounting rules, no development is required, as IBML allows for easy, direct reconfiguration of the rules.

Management Console

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As the operations executed by TAC are completely automatic, the console provides a view to the data being processed and corresponding status, displaying the options and operations available.

Additionally, the console provides options for analysing any errors occurred (if applicable), auditing data and operations, and exporting information.

Main benefits

- Ability to monitor and reprocess all management events, as well as view the source data.

- Ability to audit all management events.

- Ability to export the accounting transactions to an Excel file for analysis or other management operations.
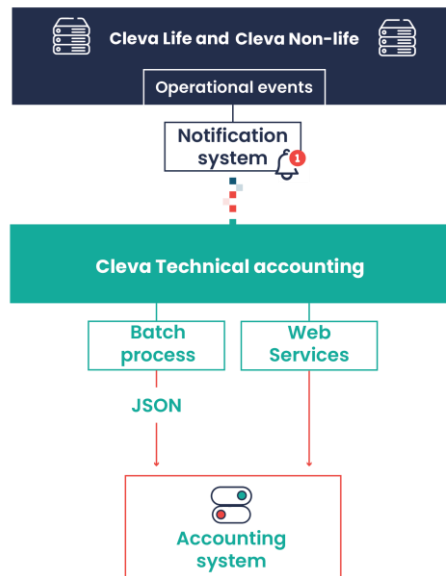
Event & notification system

The process originates in the management events created by the technical areas. As soon as they are available, the corresponding notifications are automatically generated, and TAC processes them accordingly.

Firstly, TAC retrieves the information of the management event to process, checking the configuration to execute for that event. Then, TAC invokes IBML to perform the calculation.

Afterwards, TAC generates the accounting transactions, which can be provided in two formats: web services or JSON file.

Main benefits

- The notifications from the technical areas allow TAC to convert the events into accounting transactions. Management events are all insurance technical transactions – the processing, cancellation and collection of all document types (e.g. premium and indemnity receipts, provisions or reinsurance operations).

- The automated link between the technical areas and accounting, with all notifications and events being executed automatically, frees the user from manual operations, as well as reduces the risk of error.

- The information outputs generated by TAC are general accounting transactions, which are based on standard accounting concepts. Additionally, each client may adapt this information to their needs, adding new concepts or customising the information as necessary.

Multiplataform compatibility

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- TAC is compatible with various technologies.

Database	Web services	Browsers
ORACLE	WildFly	
IBM DB2	IBM WebSphere	
Microsoft SQL Server		

Multiplatform

- TAC is not attached to a single technology, but rather it can integrate with various platforms.

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Cleva Technical accounting transforms the information from the management events occurred in Cleva Life and Cleva Non-life into accounting transactions that can be integrated in accounting solutions. It provides simplicity of transformation, flexibility of adaptation to any system, and configurability of accounting rules.

Product Management

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