Cleva Integration hub

Business document

Cleva Integration hub is a valuable platform to manage and monitor the services running in the Cleva ecosystem.

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Cleva Integration hub manages the services of the entire ecosystem, guarantees the availability level and improves the support level.

This module is the perfect solution targeted to monitor all registered services in the digital ecosystem, whether from Cleva software services or other software applications.
It can trace the web service and all correlated events providing a single view of process.

Web services	**Payloads**
Notifications	**Services register**
Traceability	**Operational reports**
Service management	**Error messages**
Statistics	**Business contexts**

Key points

- Web services' **traceability**, **monitoring** and **control**

- Operation reports to **control the service response level**

- **Consolidation view** of Cleva services and other pre-configured services

- **Ability to configure alerts** and **notification** to ensure support

- Ability to **schedule service availability**

- Capacity to protect data by **payload encryption**

- Support for **high availability**

Services management

Cleva Integration hub delivers these main features:

Traceability: Routes and service events are traced and grouped by transaction.

Operational reports: The reports offers statistical pre-calculated data based on the aggregation periods.

**Notifications system**: This option allows configuring the events you want to be notified of.

Security and control: Allow defining your appropriate security and control level.

Intuitive interface: Cleva Integration hub interface allows users to navigate and access the application features.

Profile management: Cleva Integration hub interface has a dynamic view considering the user profile

High availability and scalability: Support multiple instances of Cleva Integration hub components.

Performance: Reduced impact on web services' response times, once traceability is asynchronously managed (near real-time).
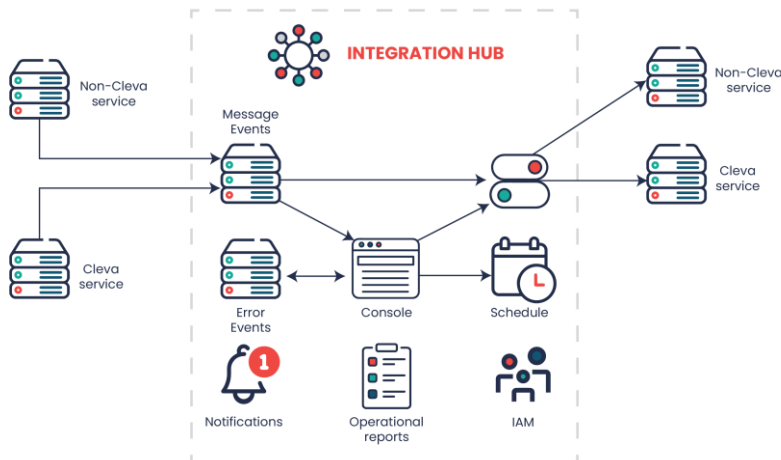
Traceability

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All Cleva web services, and other pre-configured services, are registered on Cleva Integration hub.

The complete trace of a registered service since the original request to the final step, recording all the intermediate steps, enables monitoring the service transactions in the digital ecosystem.

Ability to deep dive into route causes analysis.

Flexible configuration: For each service, you can configure if you wish to save the message, calculate execution times or simply register the event without taking any further action.

Third-party services: Cleva Integration hub is able to trace Cleva and non-Cleva web services.

**Events' tag:** The events are tagged with the application name.

Correlation Id: Allows tracing a business process that uses different web services, using the same transaction Id.

Operational report

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Operational reports is the option that allows you to see the number of events that occurred and the response times of all services.

The reports generated display the total of events, the most time-consuming events, the most failed events, response time and data volume in/out (as depicted below).


Data volume out(B)
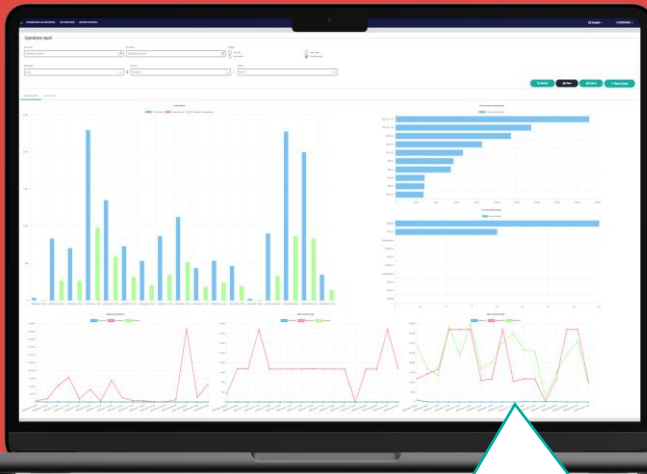
Dynamic configuration: Searching the reports is dynamic once you can configure the periods where the events occurred (monthly, daily, hourly).

Different views: You can generate the reports by application and by service.

Service statistics: It is possible to gather information about the service evolution throughout time (range and aggregation period).
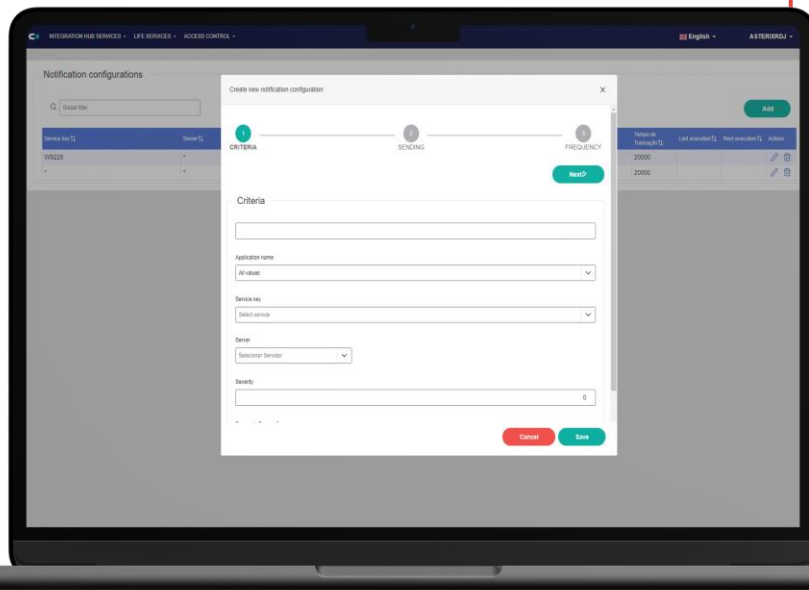
Service call statistics: Measuring the system resources usage, enabling to diagnose and support the capacity planning is also a plus. The statistics are:

- Total of service calls
- Completed transactions and errors
- Monthly, weekly, daily and hourly frame values
- Maximum, minimum and average time of each service measured information
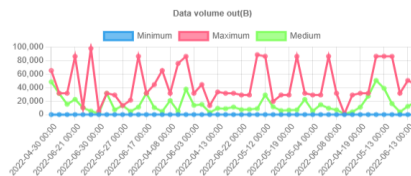
Notification system

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Set up user notifications: The operator receives the previously customised notification in his email account.

Notifications preferences: Administrator profiles can set notification preferences for other users (distribution lists).

Enable/disable notifications: The notifications can be turn off temporarily.

Alarms: Time between the error occurrence and the corrective action taken is reduced.

Asynchronous notifications: The normal operation of the console is not affected by the notification system.

Security and control

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Define your security level according to the compliance needs.

Control your service availability and understand the full range of web services in your ecosystem.

Services' catalogue: The services are mapped to the services' catalogue, including the service key, description, URL and other technical details.

Automatic register: The services are automatically registered when the application starts.
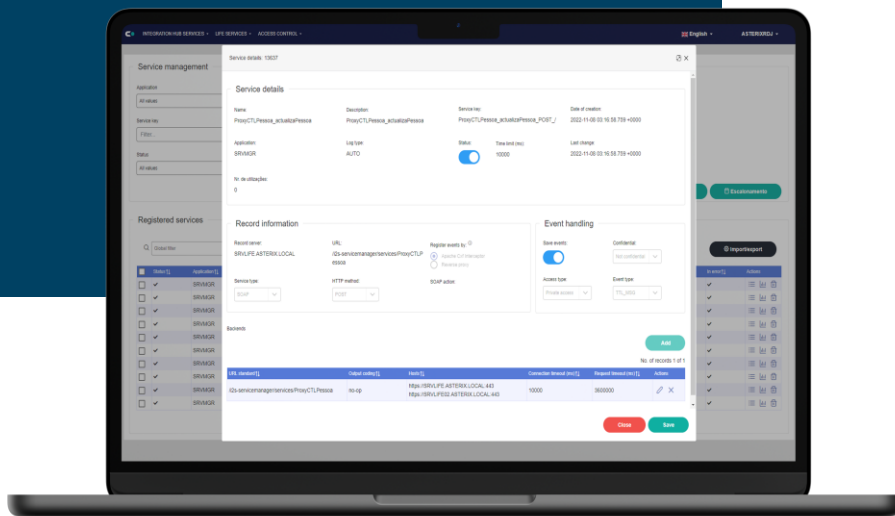
Security mode: Enable/disable the token verification in the selected services.

Data protection mode: Capacity to protect data by payload encryption in the database.

Scheduling configuration: Unavailability periods are configured (programmed interventions for instance).

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Cleva Integration hub allows the insurance company to enhance and manage the interfaces between the Cleva suite and its ecosystem, by providing monitorisation, access control and API management functionalities.

Product Management

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