Glass

ANALYTICS
MODULE
ANALYZING TRANSACTIONS IN GLASS

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ANALYTICS MODULE
KEY FUNCTIONALITIES

The Analytics Module in GLASS constitutes the component that enables the execution of analytics on the transactions performed over the GLASS ecosystem. Through dedicated dashboards, it facilitates the provision of the analytics results to the GLASS administrators for monitoring purposes without revealing any personal or sensitive data of wallet users. The Analytics Module also allows the exploration of transactions in the distributed spaces of GLASS in a privacy-respecting manner by the GLASS administrators. In more detail, the functionalities of the Analytics Module are the following:

Execution of transactions' analytics
The Analytics Module allows the performance of analytics on the transactions that are stored in the distributed spaces of the GLASS system. Information on transactions' data such as the number of registered GLASS wallet users, the transaction timestamp and the related documents' type is derived and useful metrics are produced.

Visualization of analytics results
The Analytics Module presents the results of the transactions' analytics to the GLASS administrators through dedicated dashboards without revealing any personal data of the wallet users. Using various graphs, the GLASS administrators can effectively monitor the operation of the GLASS platform by acquiring a better understanding of the executed transactions. Filtering options are also available for further refinement of the results.

Exploration of transactions
The Analytics Module facilitates the searching of transactions by the GLASS administrators with the use of specific keywords regarding information such as the document owner country or the document type. Sorting of searching results is also available through different options.

Safeguarding of analytics information
While presenting the analytics results to the GLASS administrators that can see all the public transactions performed in the GLASS system, the Analytics Module does not provide any access to the actual documents included in these transactions and to the users' personal data. In addition, the Keycloak implementation for the user management ensures that only the assigned GLASS administrators will be authorized to view the GLASS transactions' analytics.

Fast performance of transactions' analytics
The Analytics Module employs the necessary algorithms that ensure the quick execution of analytics on transactions' data that reside in the distributed spaces of the GLASS platform.

ANALYTICS MODULE
WALKTHROUGH

✓ When entering the web application of the Analytics Module, the user can see a series of graphs and metrics that show information coming from the execution of the analytics on the transactions that take place in the distributed spaces of the GLASS platform. More specifically, the user may view insights such as the total number of users and documents that are part of the transactions, the type or the issuing country of these documents and the number of pending transactions. Such analytics results are presented based on the users' access rights.

✓ The user may filter the analytics results by the type or the issuing country of a transaction document, as well as by setting a specific time window (start-end date).

✓ The user may also view a list of the transactions that have taken place in the GLASS Platform with details about the involved document type and its issuing country, as well as the datetime and the status of the transaction (accepted, rejected or pending document sharing request).

✓ The transactions are presented based on the users' access rights and the user can navigate through pagination. The user may search for specific transactions by entering corresponding keywords in the search field.

✓ The user may also sort the transactions by any of the different columns of the list.

Glass

SinGLe Sign-on eGovernAnce paradigm based on a distributed file exchange network for Security, transparency, cost effectiveness and truSt

GLASS puts the individual at the heart of controlling their own relationship with government & business

GLASS introduces an advanced egoverment solution aligned fully with the EU eGovernment Action Plan 2016-2020 and the EU Digital Single Market strategy.

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GLASS SUPPORTS THE FREE MOVEMENT OF CITIZENS & BUSINESS

Free movement of EU citizens is a fundamental principle of the Article 45 of the Treaty on the Functioning of the European Union and developed by EU secondary legislation and the Case law of the Court of Justice.

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