



Decentralized Syndicated Loan Solution on Blockchain

Automating Loan Syndication and Decreasing Consensus
Timeframes With Blockchain

Industry: Banking & Finance

Location: Nordics



Project Background

Infopulse together with our parent company Tietoevry developed a Blockchain solution for banks and financial institutions based on Hyperledger. This solution is aimed at simplifying and automating the syndicated loan market and decreasing the time to reach syndication consensus.

Business Challenge

Each banking operation is provided through the intermediary and depends on its decision. All processes are halted in case of issues with the intermediary's system. Moreover, the intermediary is weak against external and targeted influence, which could impact the whole negotiation process.

When designing our Syndicated Loan Solution, we aimed to achieve the following:

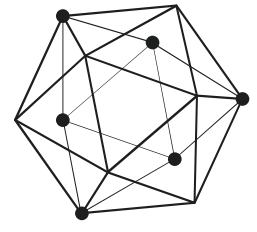
- Decrease the syndication consensus period from weeks to days;
- Solve the most critical weak points by getting rid of intermediaries, and removing the central point of failure;
- Improve data accuracy;
- Evaluate production-readiness of the available Blockchain implementations;
- Provide demonstration means for the non-technical audience to better understand how the solution works.

Solution

A Proof of Concept project was created based on Hyperledger / AngularJS, demonstrating a new way of the process handling. The solution merges external ledgers and databases, leveraging synchronization between banks:

- A sharable database strengthened against tampering and revision;
- Real-time data, transparent and reliable, excluding errors or data duplications;
- Equal validation rights, flexible security settings for each party;
- Faster workflows and negotiations;
- Minimized overhead expenses and mediation activities.

Technologies



Hyperledger



AngularJS



Golang

Other solution details

- A visual concept has been implemented based on the level of knowledge and expectations of a person hardly familiar with Blockchain.
- Production-readiness of the Hyperledger implementation has been assessed and documented.
- Blockchain consensus process visualization tool has been developed together with a short animated video to communicate the solution value for a wider audience.

Please see the video for more information.





About Infopulse

Infopulse, part of the leading Nordic digital services company Tietoevry, is an international vendor of services in the areas of Software R&D, Application Management, Cloud & IT Operations, and Cybersecurity to SMEs and Fortune 100 companies across the globe. Founded in 1991, the company has a team of over 2,300 professionals and is represented in 7 countries across Europe and the Americas.

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