Project Juno Moneta is an open-source wholesale cross-border CBDC platform

Our mission is to revolutionize international wire transfers and serve hundreds of millions of people around the globe

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Project Juno Moneta Members

Adam Retkes

Co-founder, CBDC Think Tank

Budapest

Balazs Heder

Blockchain specialist,

Research engineer

Daniel Szego

Co-founder, CBDC Think

Tank Budapest, DLT Architect

Mate Brezovszki

CEO, Prefinal Technologies

Problem

156 tn USD

Total cross border payments

351 bn USD

Banks' transactional revenues

Both individuals and companies pay billions of dollars for transaction fees, amounting even up to 5% of the total transaction value

Flaws of current cross-border payment system:

- Limited transparency of transaction status
- Limited operating hours and speed
- Limited interoperability
- High interbank fees
- Legacy infrastructure

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Solution proposal

Wholesale Central Bank Digital Currency as a solution

CBDCs enable more efficient interbank settlements, thus providing better cross-border payment services for individuals and companies

Use cases

- CBDC token issuance and burning

- CBDC balance query

- Cross-border payment in Payment vs Payment fashion

- Tokenized commercial bank money

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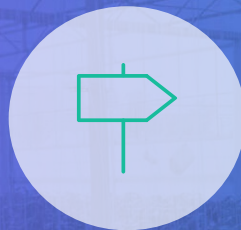
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Solution Benefits

Near real-time cross-border payment*

50-80% reduction in transaction costs**

24/7 operating hours

Direct interbank payment without intermediaries

Eliminating data fragmentation problems

*Near real-time is defined as less than 10 seconds
**Based on mBridge and J.P. Morgan studies

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Solution Competitive Edge

Open-source project from scratch

Adjustable for every monetary authority's jurisdictional needs

Backed by remarkable communities

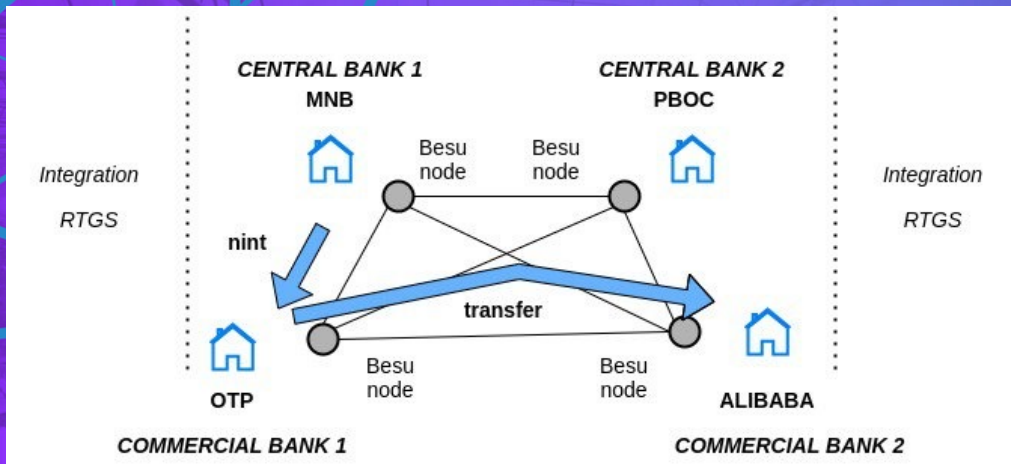Combining Ethereum platform and community with the Hyperledger Community through Besu

Supervised payment system built on DLT

Utilizing the fastest developed transactional technology on the planet

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Solution Architecture

Solution technical overview

- DLT-based solution

- First prototype with Hyperledger Besu

- Modular design for different use cases

- Solidity business logic layer for smart contracts

- Interoperability capabilities with ISO20022-based systems

Demo

Roadmap/Next Steps

05/2022
Prototype phase

2022 Q3
Evaluation phase
- Privacy with private groups and cross-chain or in-chain swaps
- Performance measurements
- Evaluation of use-case extensions
- Finding bank partner for launch

2022 Q4
Extension phase
- Cross-border payment with embedded FX function
- Cross-chain Payment vs Delivery
- Green token issuance
- UI for further use-cases

2023 Q2
Integration phase
- System integration to live banking systems

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Thank you for your attention!

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