Jasper-Ubin

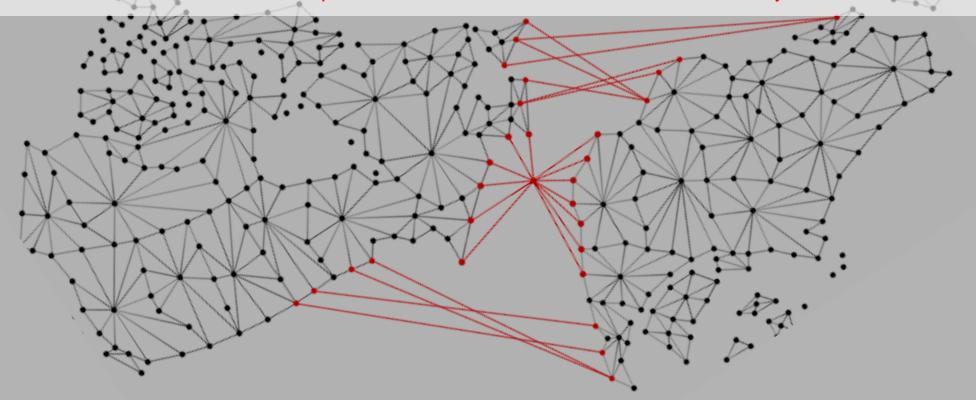
Interoperable Blockchains for Cross-border Payments





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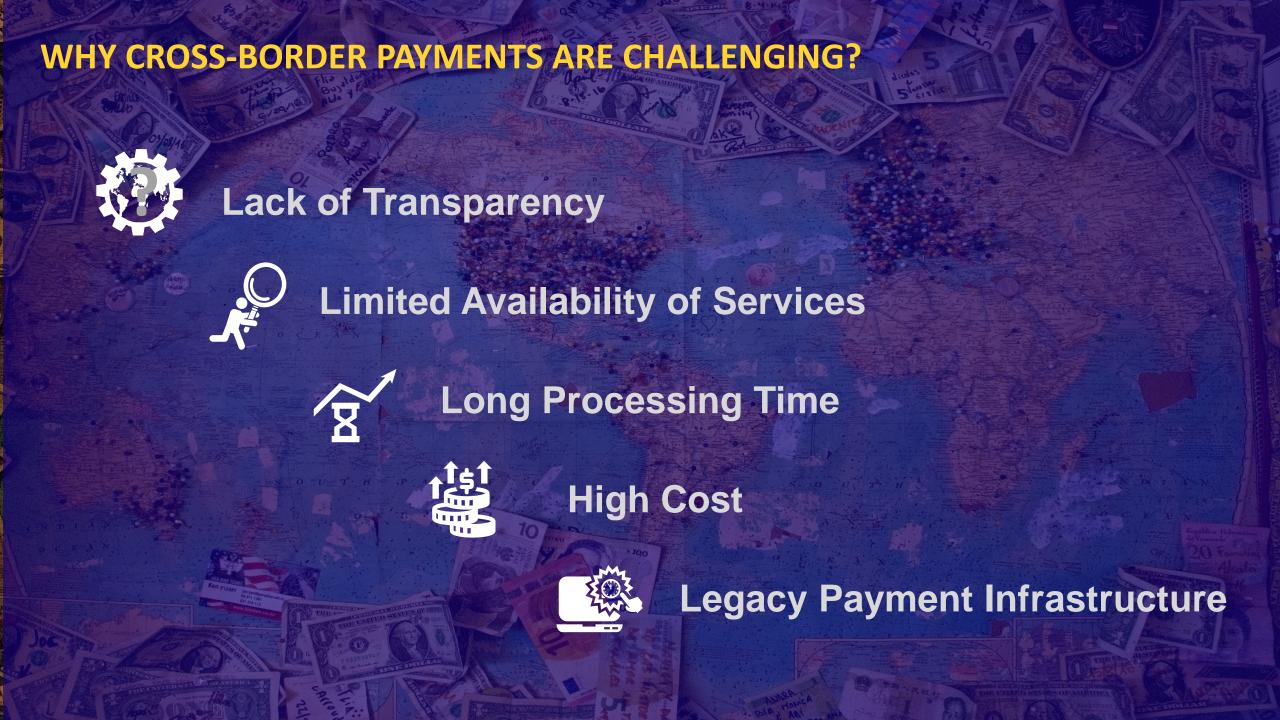
PROJECT JASPER & PROJECT UBIN

took similar journey in exploring Distributed Ledger Technology (DLT) for payments

decentralised system without compromising on privacy



DLT platforms



DLT PERSPECTIVE FOR CROSS-BORDER PAYMENT

Why it's worth to explore Distributed Ledger Technology (DTL) for cross-border payments



JASPER & UBIN POC OBJECTIVES

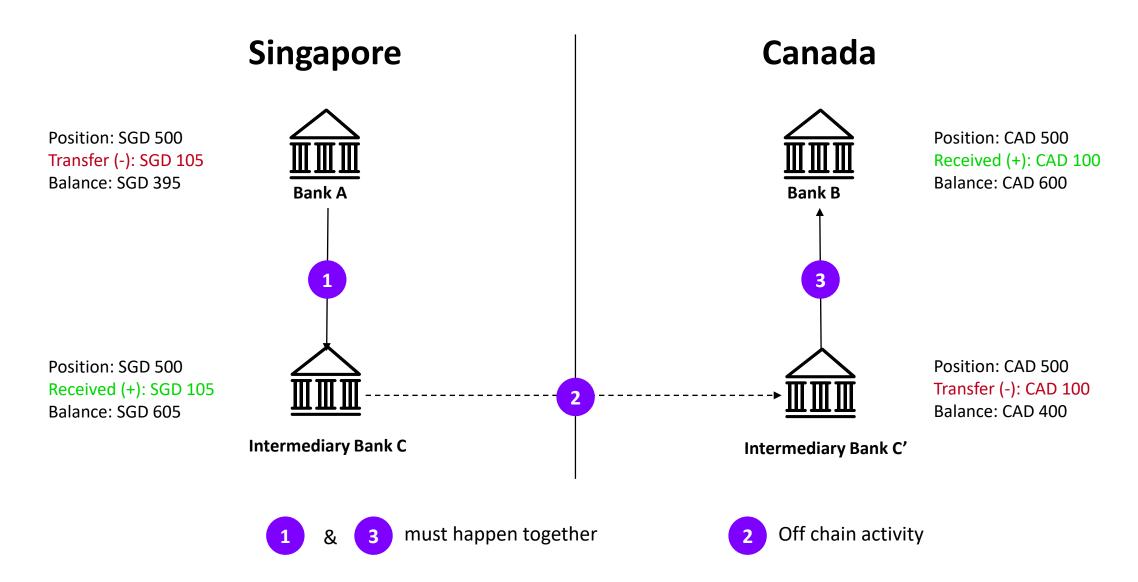
To make atomic transactions between two different distributed ledger platforms

By building CAD-SGD PvP between Quorum and Corda based networks

If it works - GREAT!

If it doesn't work – also GREAT! We would learn from the failure

ASSET SWAP VIA INTERMEDIARY



HASH TIME LOCK CONTRACT (HTLC)

HOW?

A transaction proposal with conditions attached, specified by a hash H (hash refers to secret) and a time-out T

THEN...

- When the secret / hash H is provided, the transaction completes
- When the time-out T passes, the transaction proposed is discarded

Example

"Alice pays Bob \$10 if he provides secret such that hash (secret) = H before time T"

This locks up Alice's \$10, and it is unlocked:

- Either via the hash (Bob gets the unlocked \$10),
- Or by time-out (proposal is discarded and Alice keeps the unlocked \$10)