

Decentralized Systems and Network Services Research Group Institute of Telematics



Do Payment Channel Networks Need a Blockchain?

Rethinking Blockchain Layers

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Blockchain cryptocurrencies and payment channel networks solve the problem of preventing double spends.

Can payment channel networks be used **without a blockchain** to create a "to some extent decentralized" architecture for digital payments?

How can Central Bank Digital Currencies allow for decentralized payments comparable to cash?



