Chainlink

The Future of Digital Banking: **Universally Connected Smart Contracts**



Decentralized Finance is Rapidly Growing in Value

Total Value Locked (USD) in DeFi

TVL (USD)







Smart Contracts Have Historically Provided Tokenization

90%

Tokenization

10%

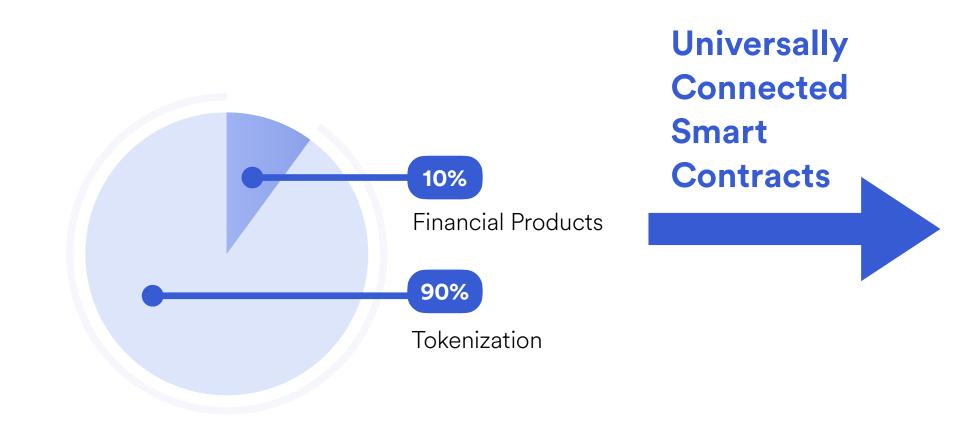
Financial Products



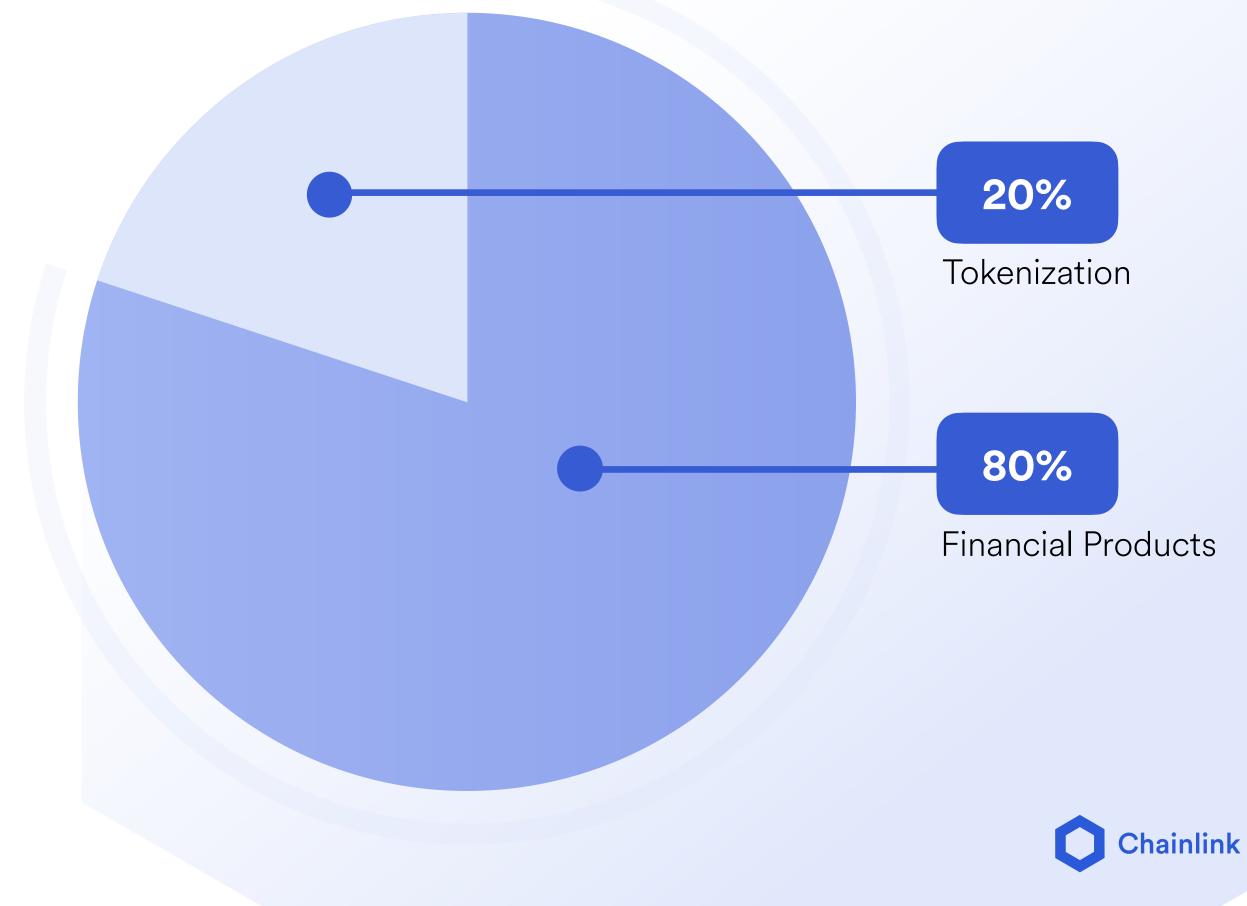


The Smart Contract Market is Rapidly Growing

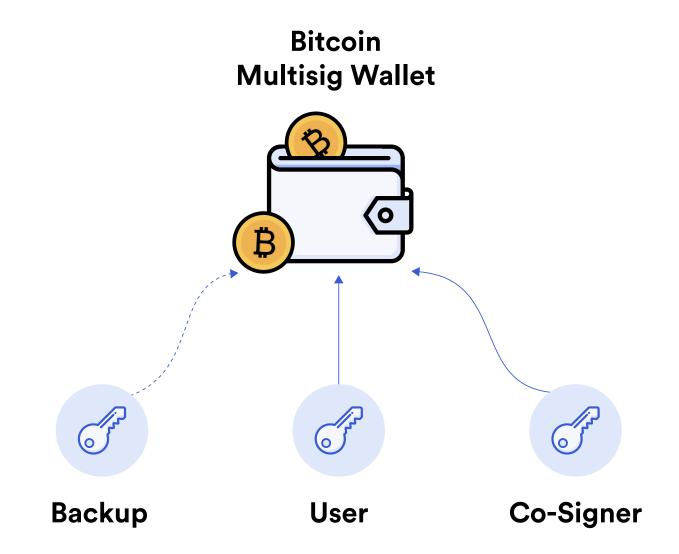
Current Distribution of Smart Contract Transaction Volume and Value Secured



Future Distribution and 1000%+ Growth of Transaction Volume and Value Secured



The Initial Leap Forward for Smart Contracts



Bitcoin Multi-signature as "Programmable Money"



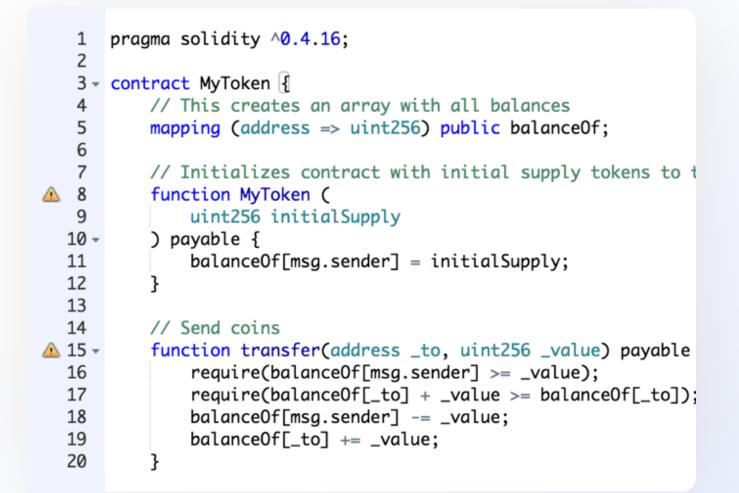
Protocol Smart Contracts = Smart Contracts 1.0



The Scriptable Leap Forward for Smart Contracts



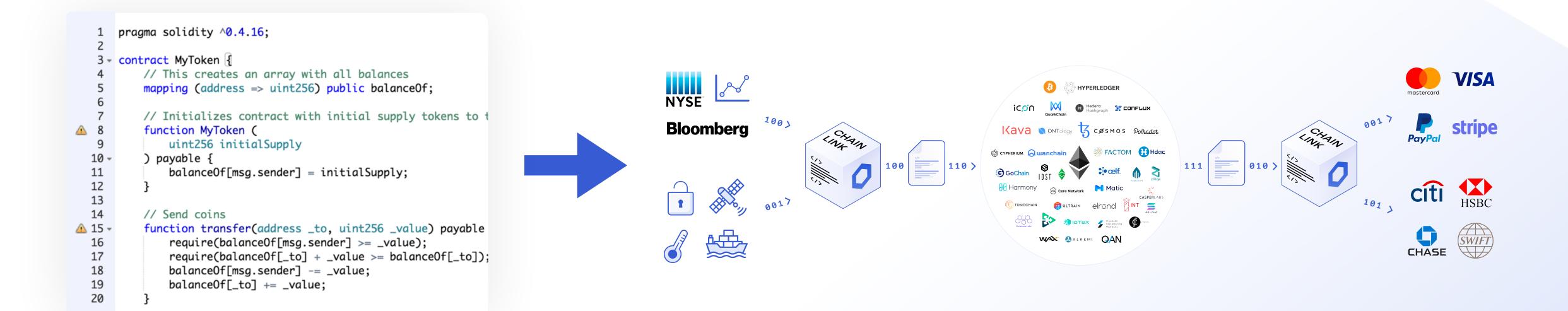
Protocol Smart Contracts = Smart Contracts 1.0



Scriptable Smart Contracts = Tokenization/Smart Contracts 2.0



The Connectivity Leap Forward for Smart Contracts



Scriptable Smart Contracts = Tokenization/Smart Contracts 2.0

Universally Connected Smart Contracts = All Other Dapps/Smart Contracts 3.0



The "Oracle Problem" for Smart Contracts

Smart Contracts are unable to connect with external systems, data feeds, APIs,

existing payment systems or any other off-chain resources on their own.

Real World Data and Events

Blockchains

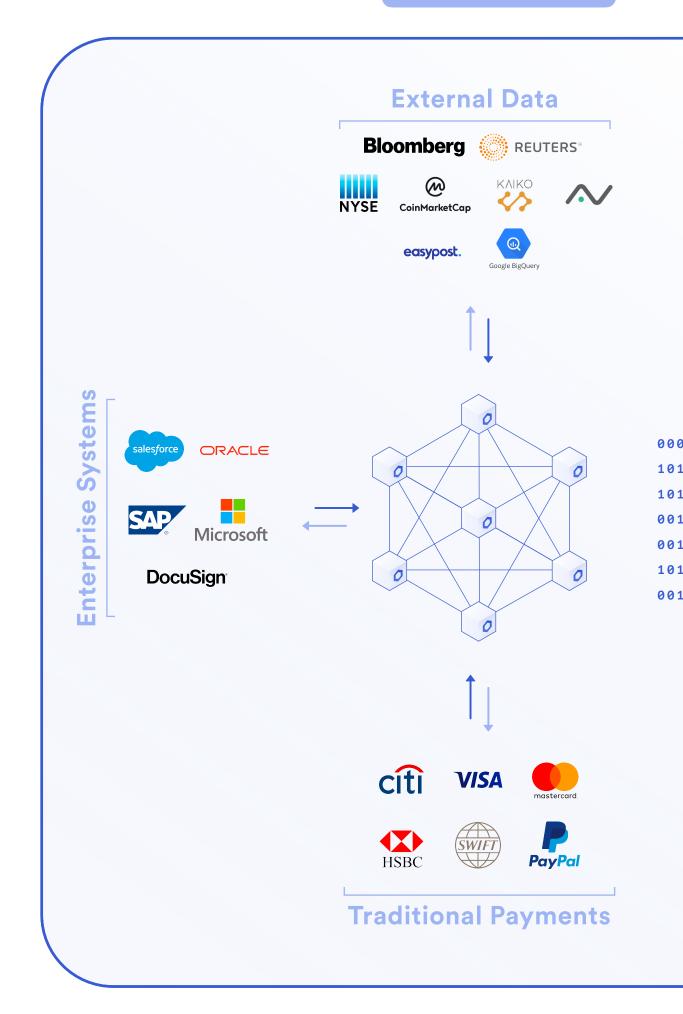


The "Oracle Problem" for Smart Contracts



Smart Contracts Consist of Two Equally Important Parts

Off-Chain



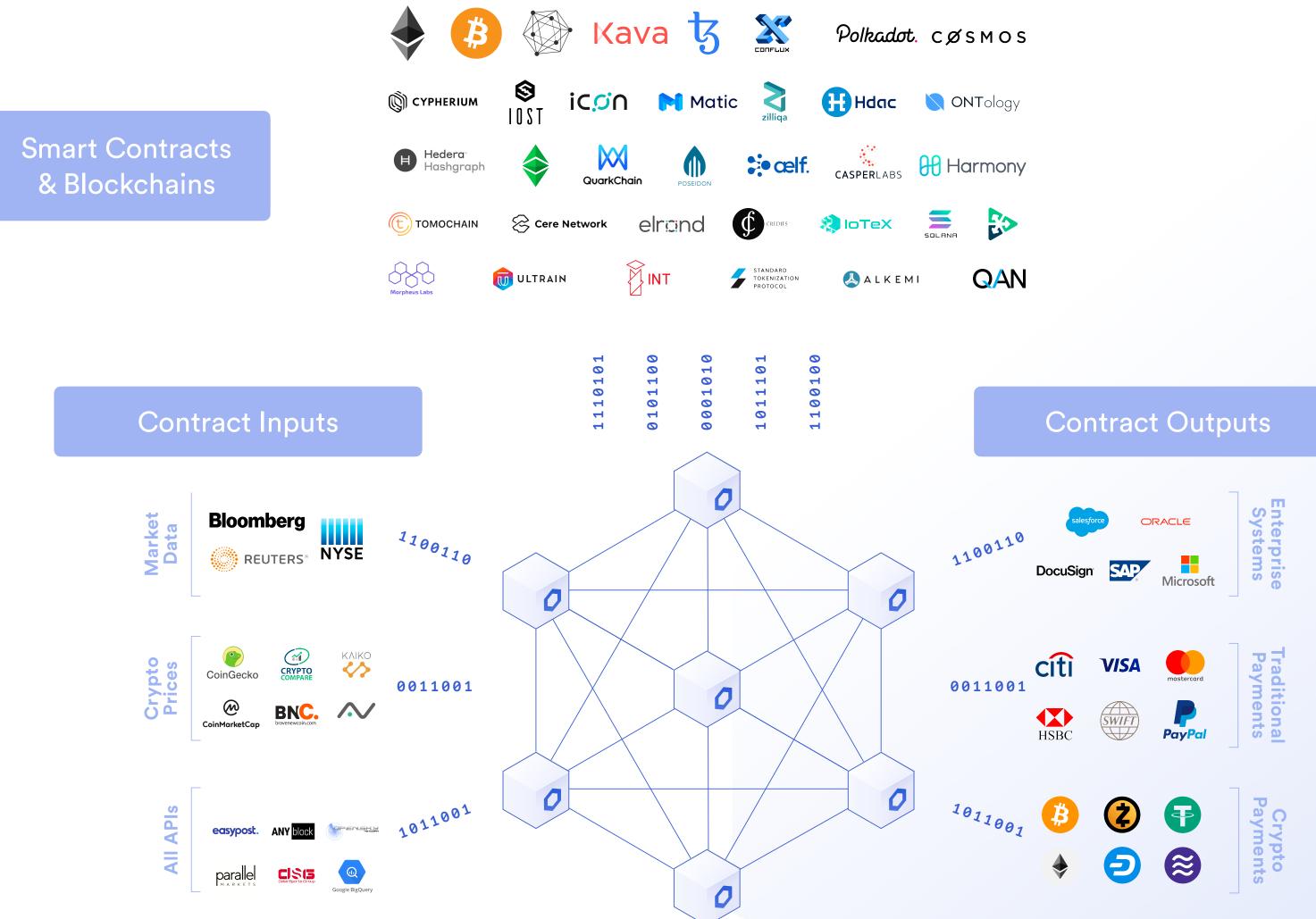
On-Chain

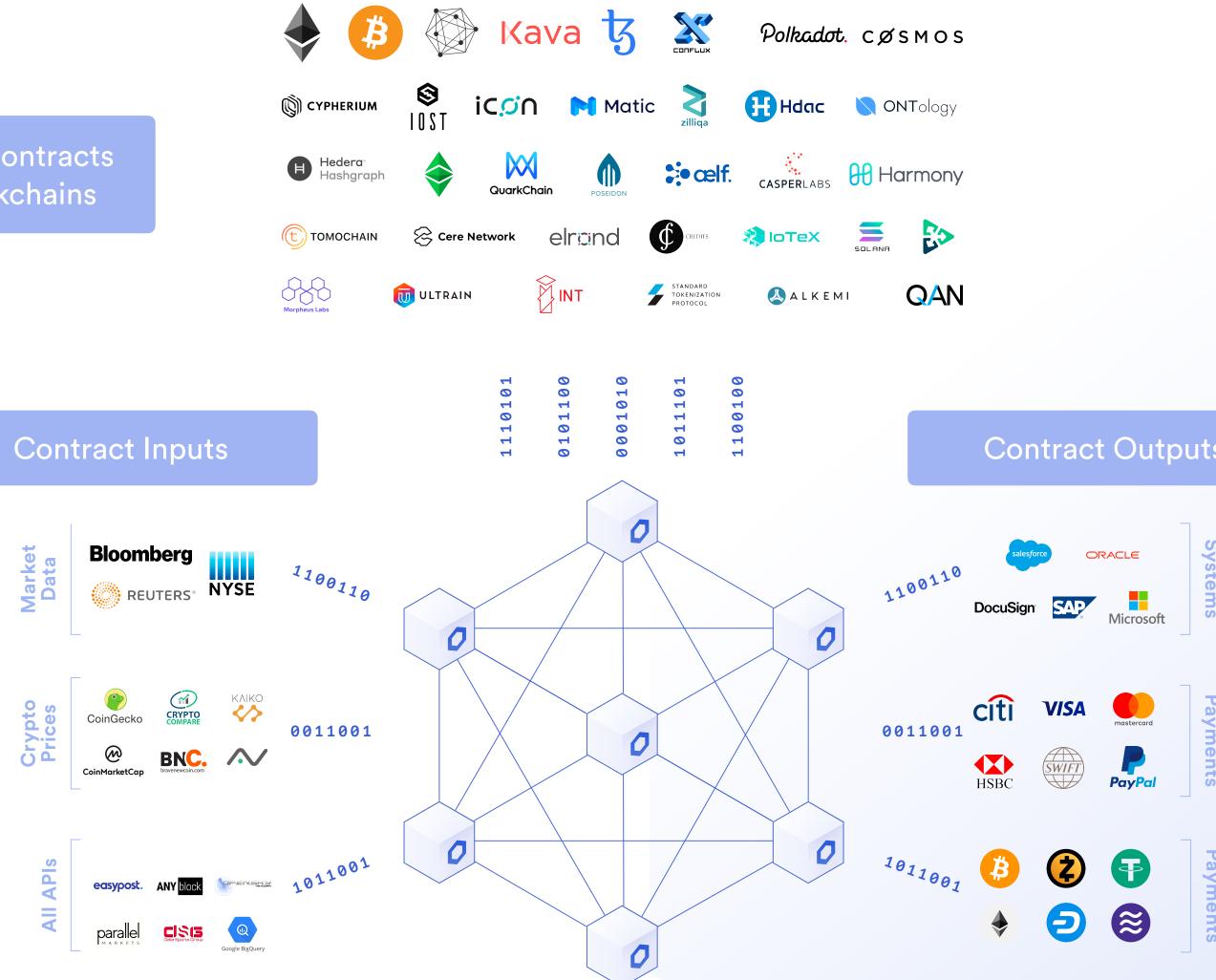






Connecting Smart Contracts to All Inputs and Outputs







DeFi is the Beginning of Redefining Smart Contracts Total Value Locked (USD) in DeFi

TVL (USD)







An Increase in Services from National & Digital Banks

coindesk

Story from Policy & regulation \rightarrow

Banks in US Can Now Offer Crypto Custody Services, Regulator Says

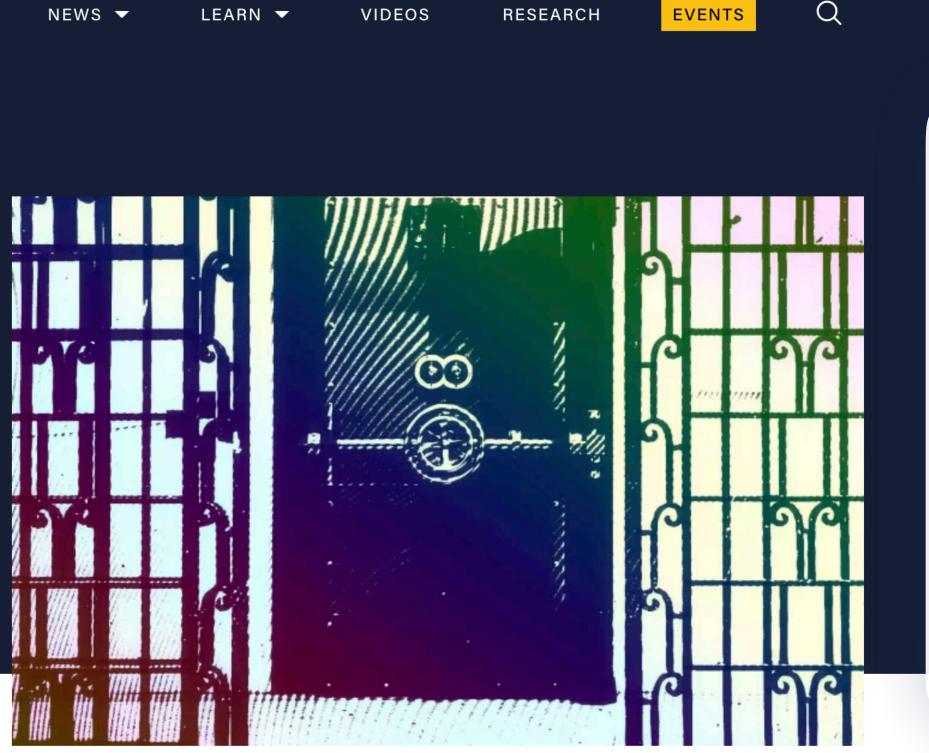
Jul 22, 2020 at 17:00 UTC = Updated Jul 22, 2020 at 17:50 UTC

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Nikhilesh De



Bank vault (State Library of New South Wales, modified by CoinDesk using PhotoMosh.

The Office of the Comptroller of the Currency (OCC) is letting all nationally chartered banks in the U.S. provide custody services for cryptocurrencies.

In a public letter dated July 22, Senior Deputy Comptroller and Senior Counsel Jonathan Gould wrote that any national bank can hold onto the unique cryptographic keys for a cryptocurrency wallet, clearing the way for national banks to hold digital assets for their clients.

The letter marks a major development for the crypto industry Previously custody was the province of

"JPMorgan Chase is one such national bank that provides banking services

to crypto companies, having provided support to Gemini and Coinbase earlier this year."

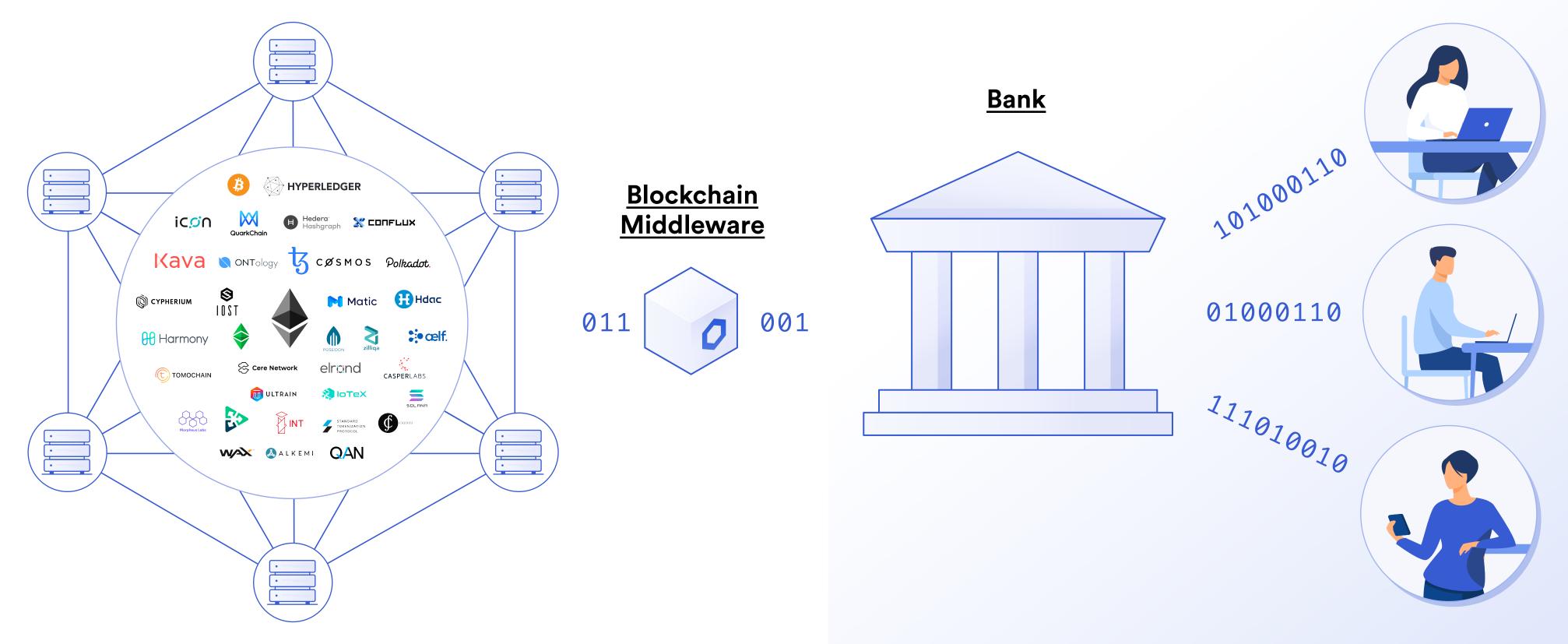
https://www.coindesk.com/banks-in-us-can-now-offer-crypto-custody-services-regulator-says





Providing Access to DeFi Products For Existing Users

Existing DeFi Smart Contracts

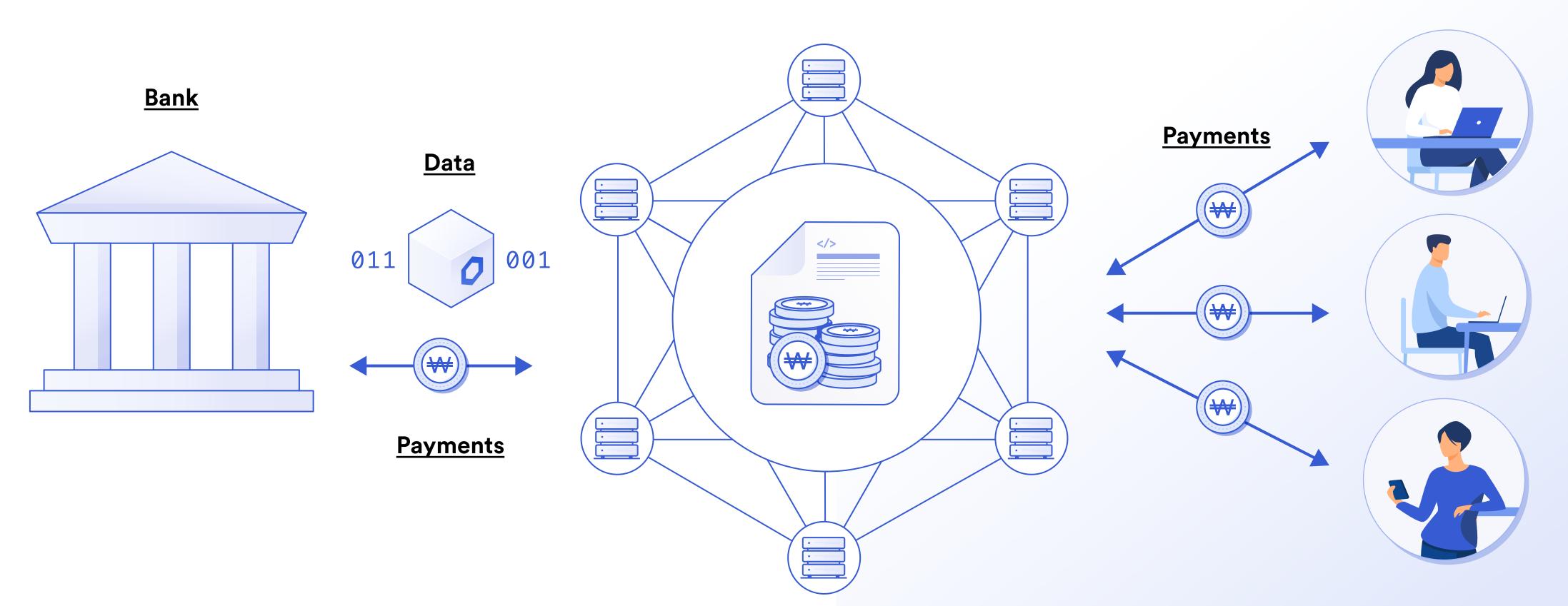


Bank Users





Creating New DeFi Products for the Crypto Markets

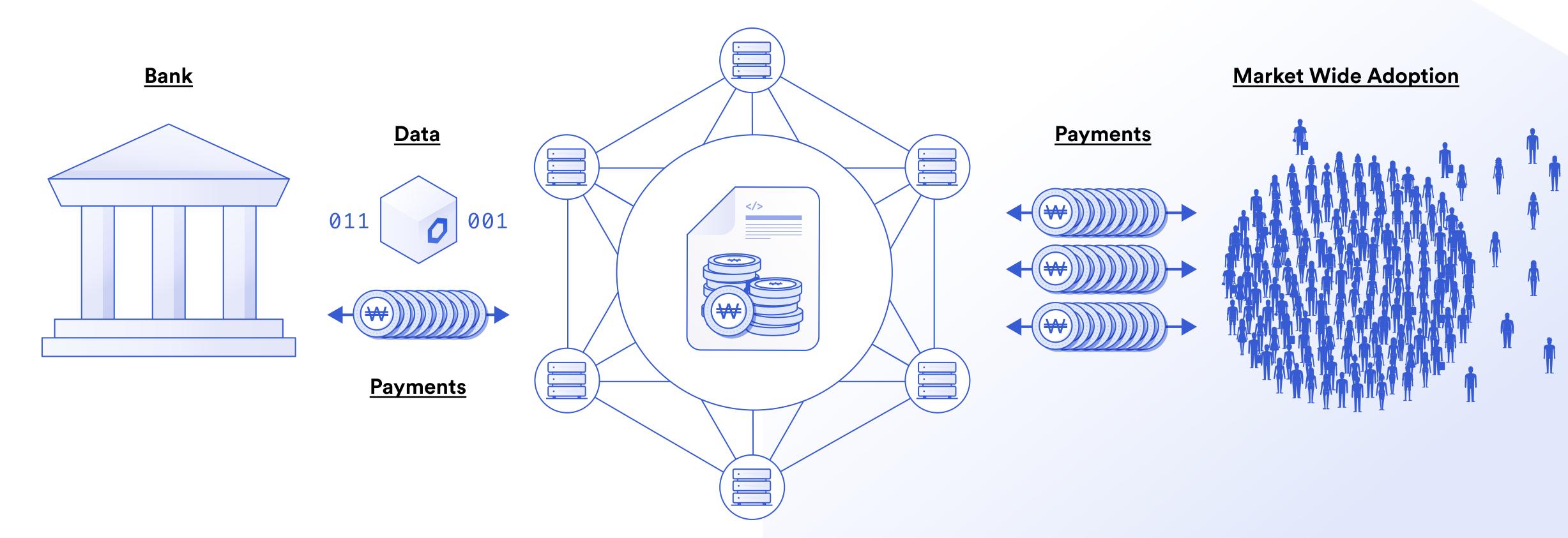


On-chain Financial Products

Bank Users



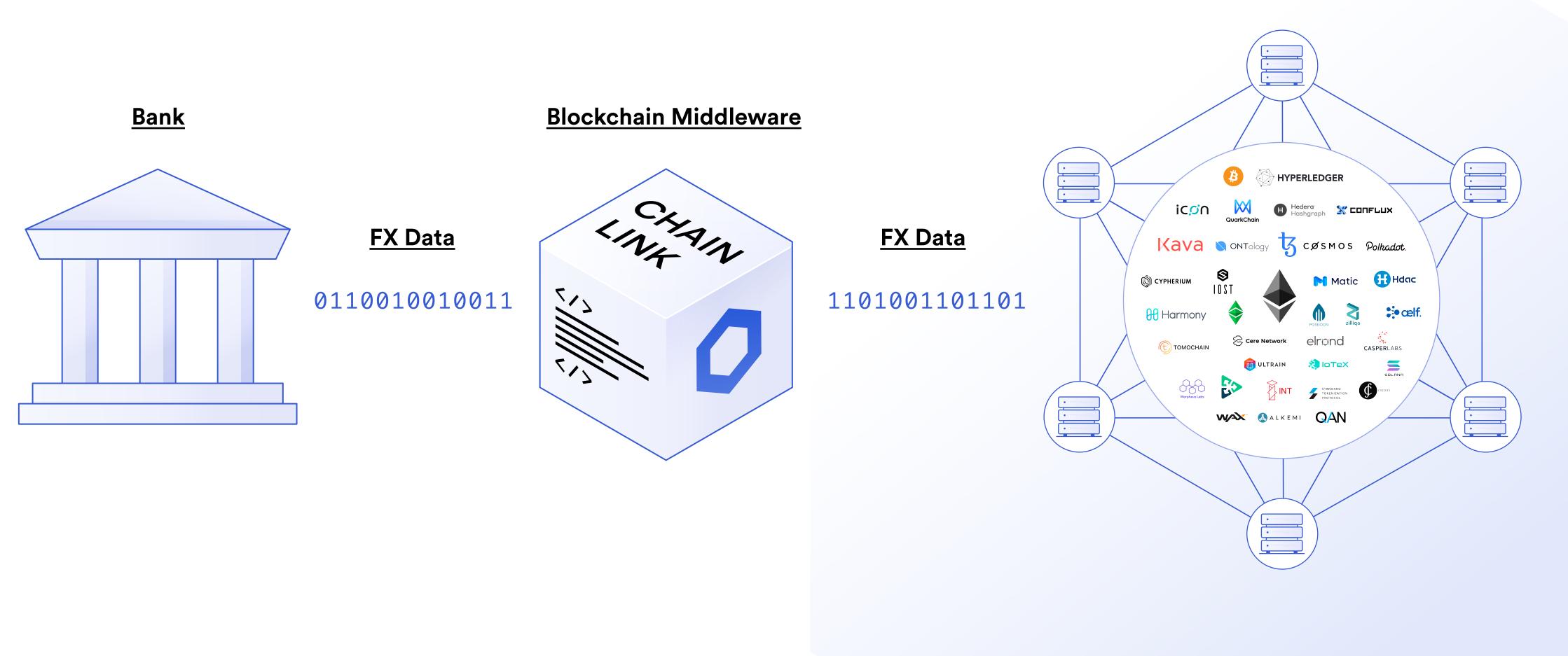
Creating New DeFi Products for the Crypto Markets



On-chain Financial Products



Providing Data and Services to DeFi Smart Contracts



Smart Contract Networks





Leading Banks Generate KRW Reference Data for DeFi

Data Sources

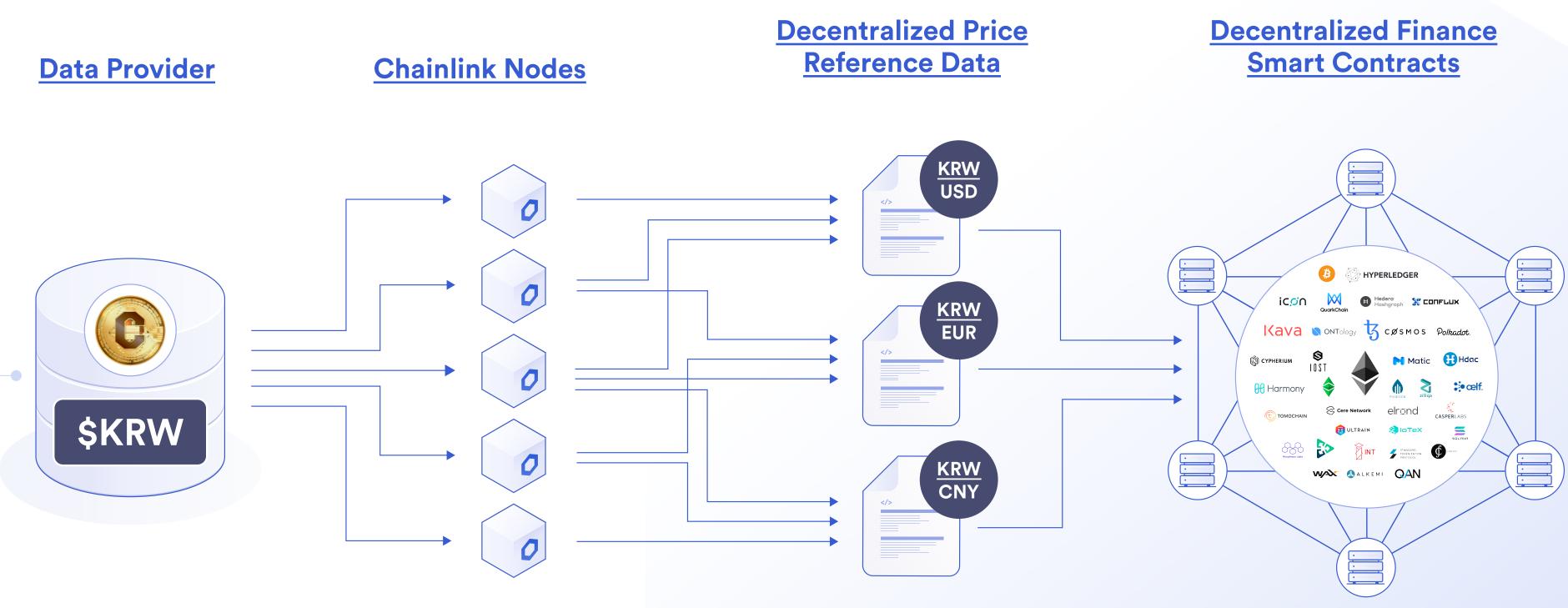


▲ IBK 기업은행



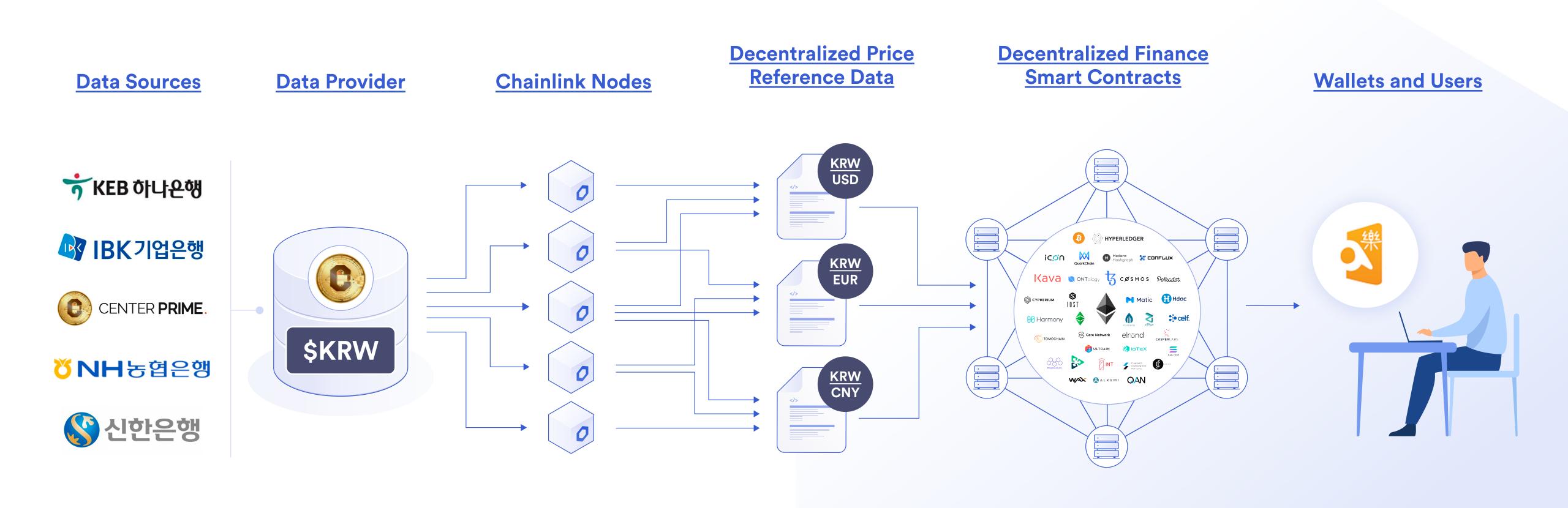
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Leading Banks Generating KRW Reference Data for DeFi







Thank You

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