



Building the Next Generation of DeFi Applications

EthCC 2023

Toxic Assets Are a Cost the Public Bears in Both Traditional and Crypto Markets

FT FINANCIAL TIMES

Sep 19th, 2008

**Capitalism in convulsion:
Toxic assets head towards
the public balance sheet**

Forbes

Feb 25th, 2014

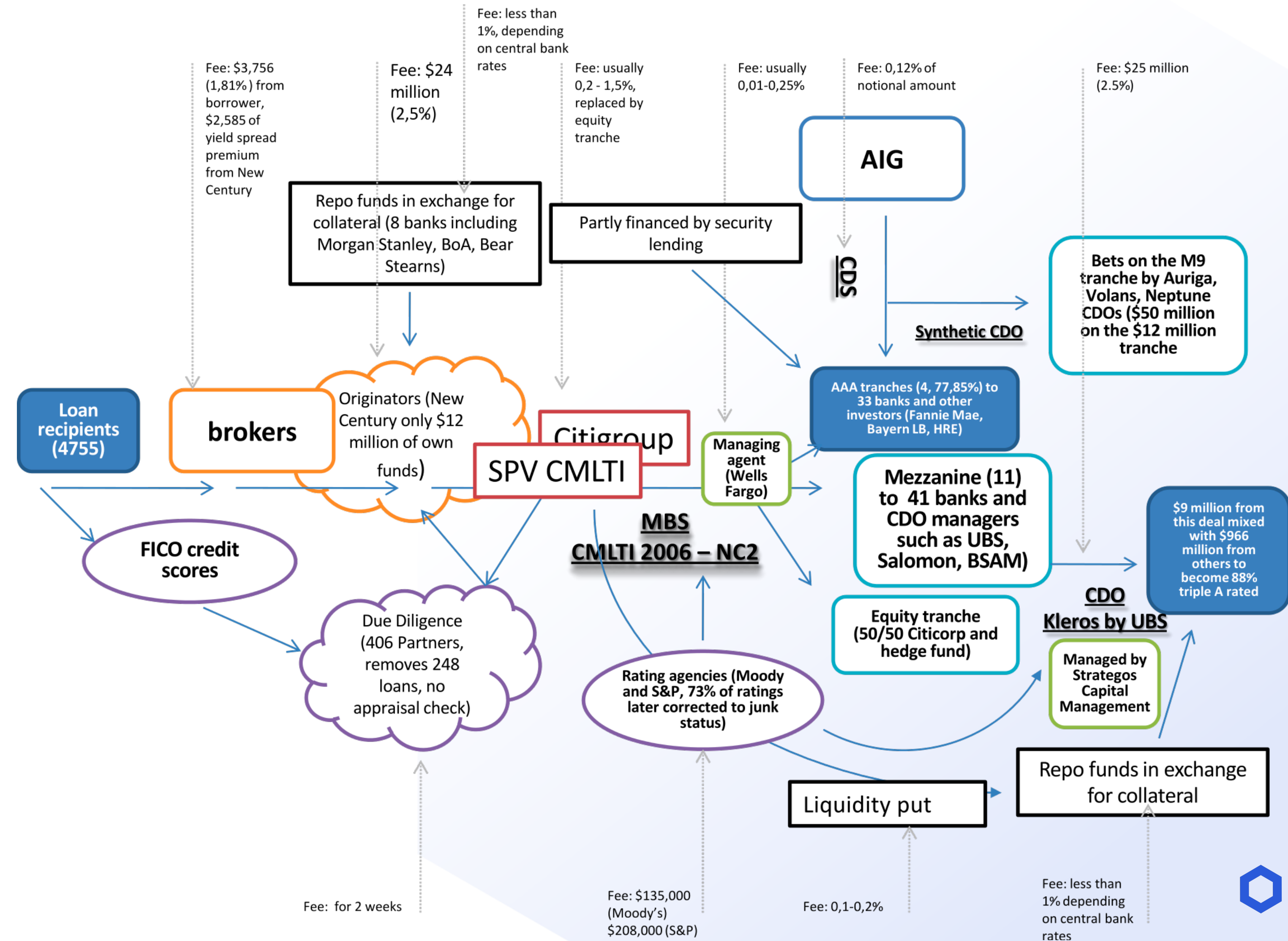
**Bitcoin's Price Plummets As
Mt. Gox Goes Dark, With
Massive Hack Rumored**

TheStreet

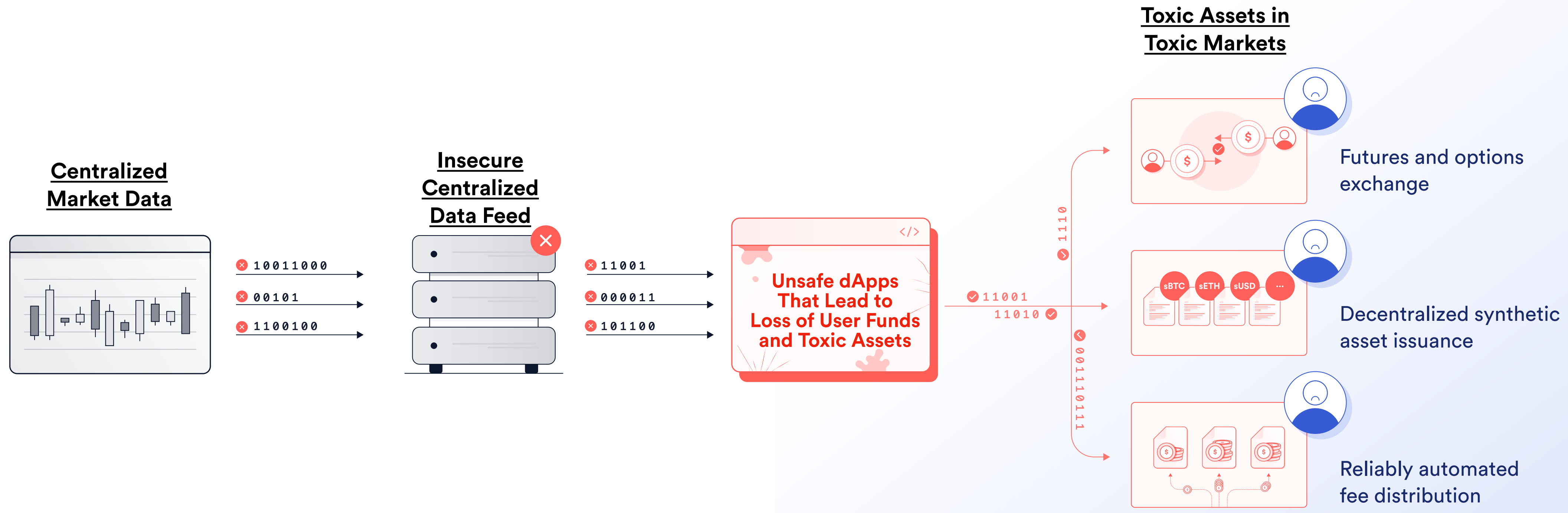
Dec 24th, 2022

**FTX, Luna, Celsius, Voyager:
The Year of Crypto
Bankruptcies**

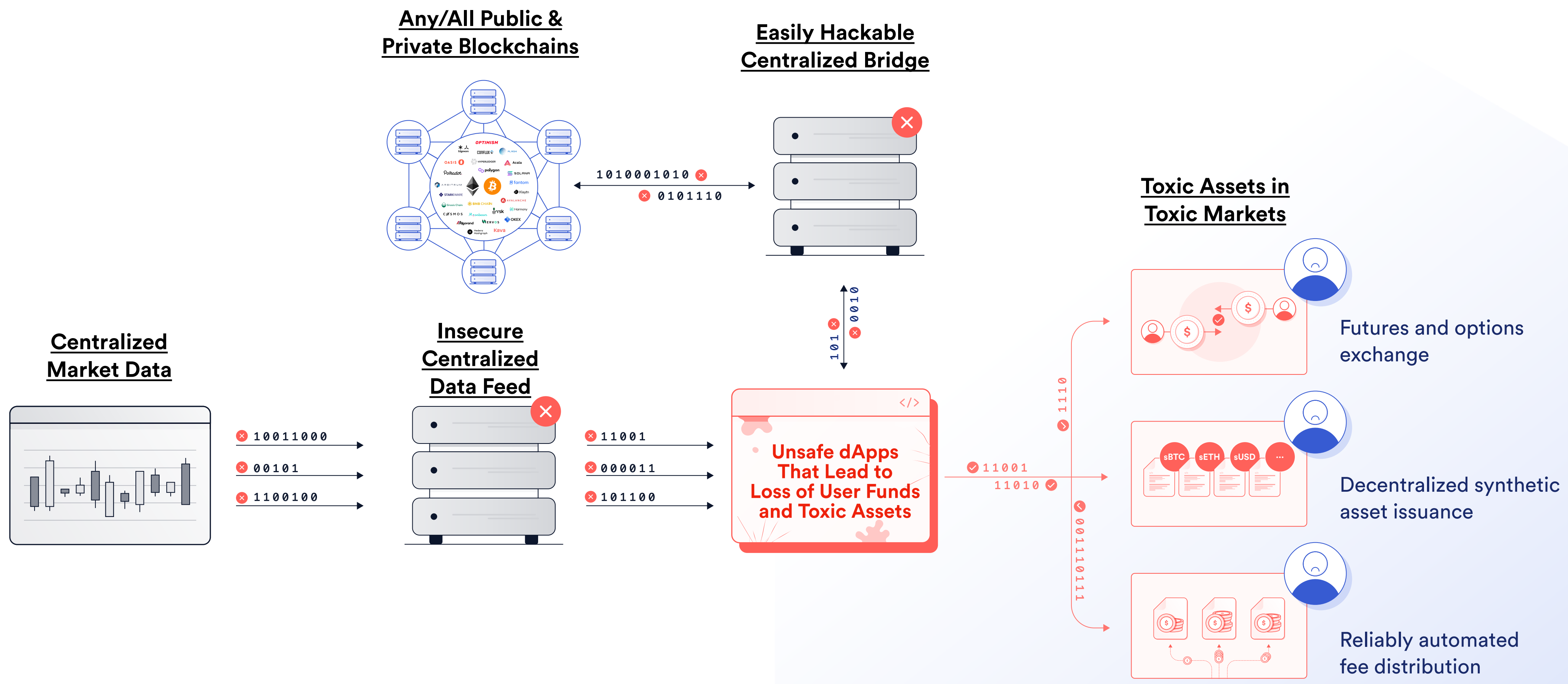
2006 Loan Origination, Risk Scoring and Transaction Value Extraction Diagram



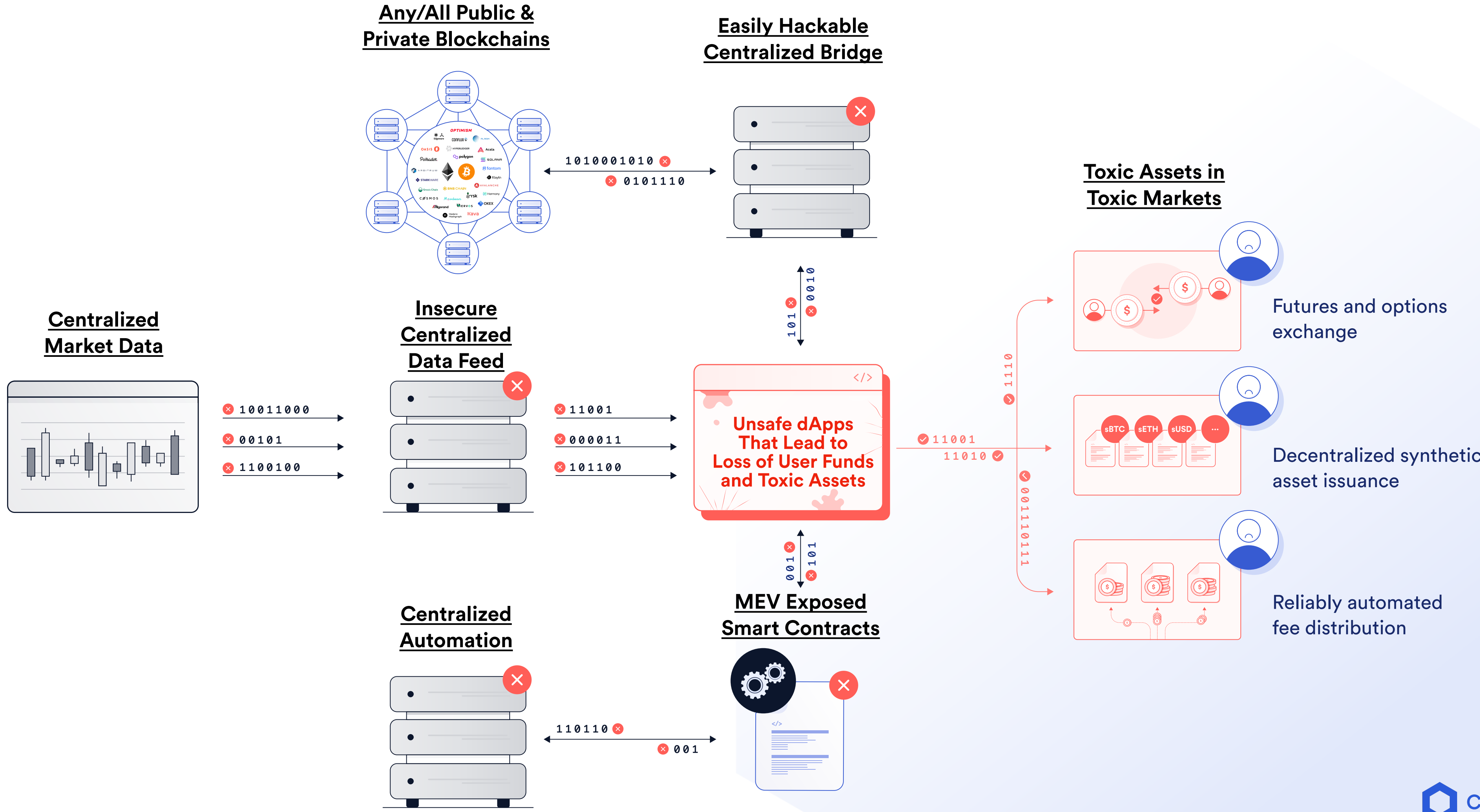
Unsafe Smart Contracts Create Toxic Assets That Users Will Actively Avoid



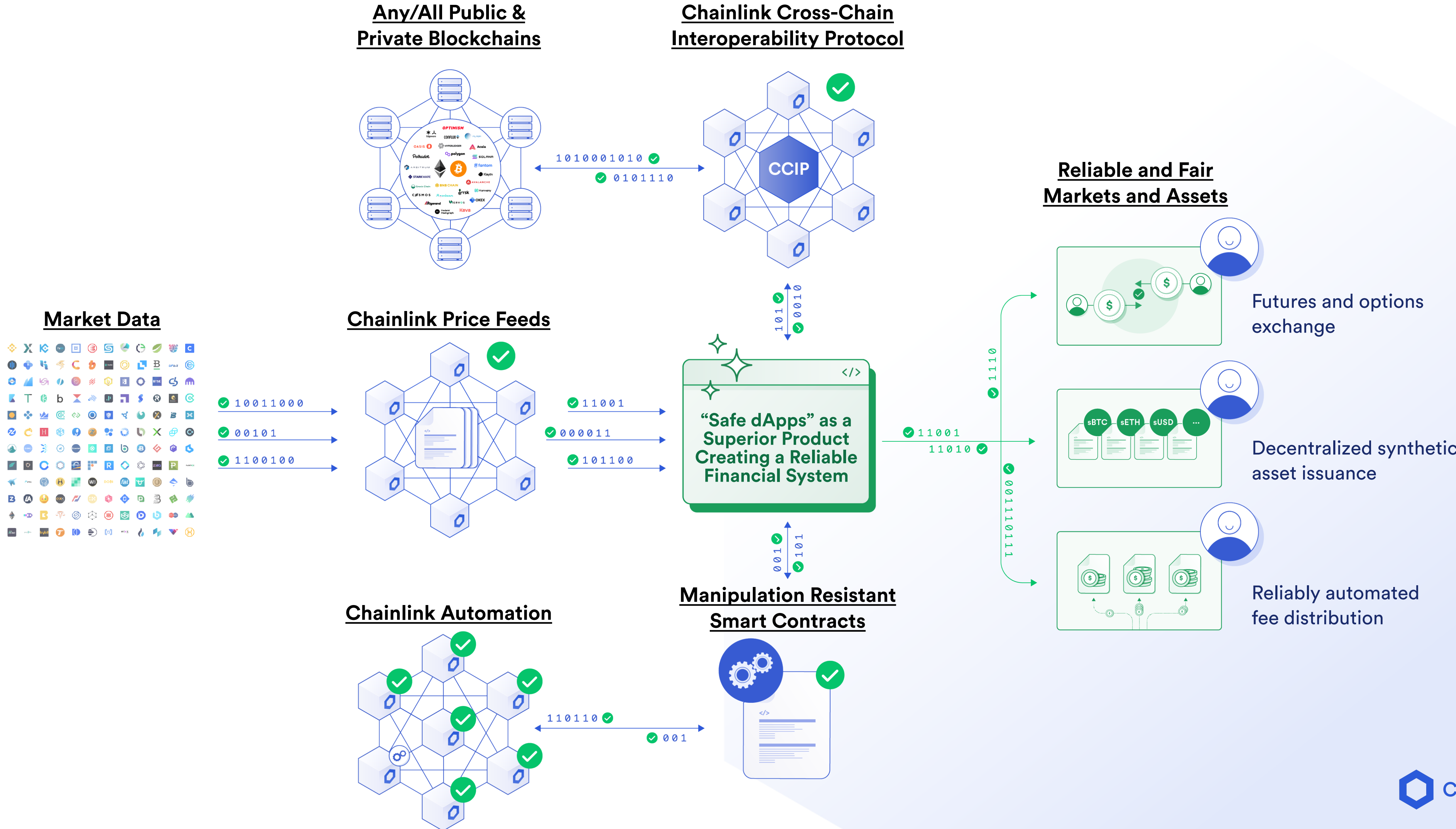
Unsafe Smart Contracts Create Toxic Assets That Users Will Actively Avoid



Unsafe Smart Contracts Create Toxic Assets That Users Will Actively Avoid



“Safe dApps” Deliver the True Value of Smart Contracts and DeFi





Chainlink Developer Platform/Metalayer



Cryptographically Provable Data

Cryptographically Trust-Minimized Compute

Cross-Chain Value

Market Data Oracle Networks



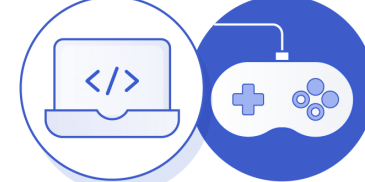
Proof of Reserve Oracle Networks



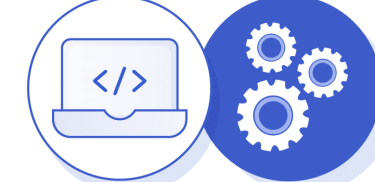
Identity and Other Data Oracle Networks



Verifiable Randomness Function (VRF)



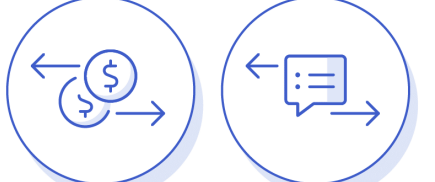
Automation Oracle Networks



Functions Oracle Networks



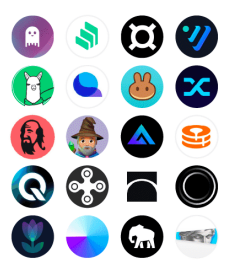
Cross-Chain Interoperability Protocol



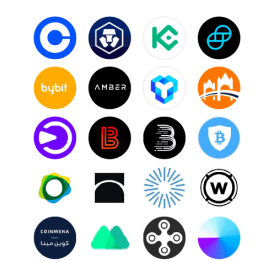
Decentralized Oracle Networks



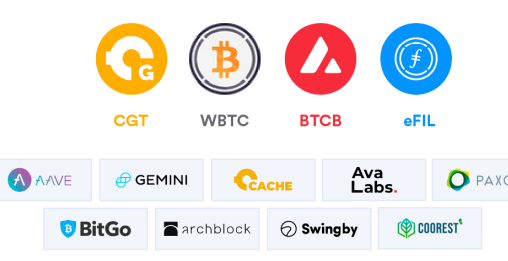
DeFi Contracts



CeFi Applications



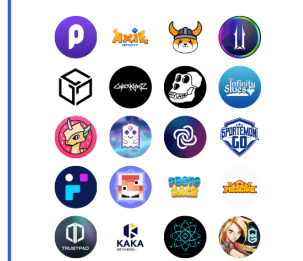
Real-World Asset Proofs and Wrapped Assets



New Hybrid Smart Contracts



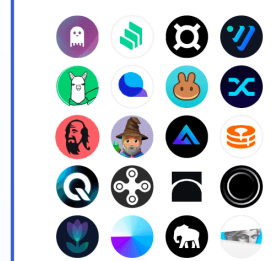
Web3 Contracts



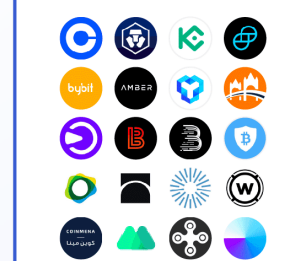
Web2 Applications



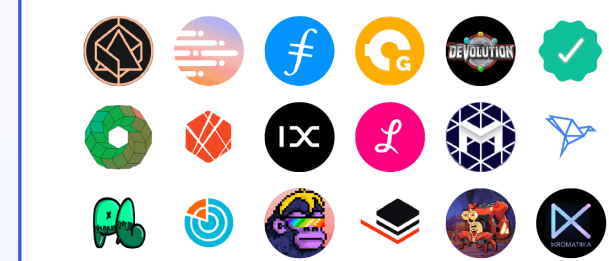
DeFi Contracts



CeFi Applications



New Trust-Minimized Applications



Cross-Chain Smart Contracts



CROSS-CHAIN INTEROPERABILITY PROTOCOL

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Global Banks



Asset Managers



Clearing & Settlement Depositories

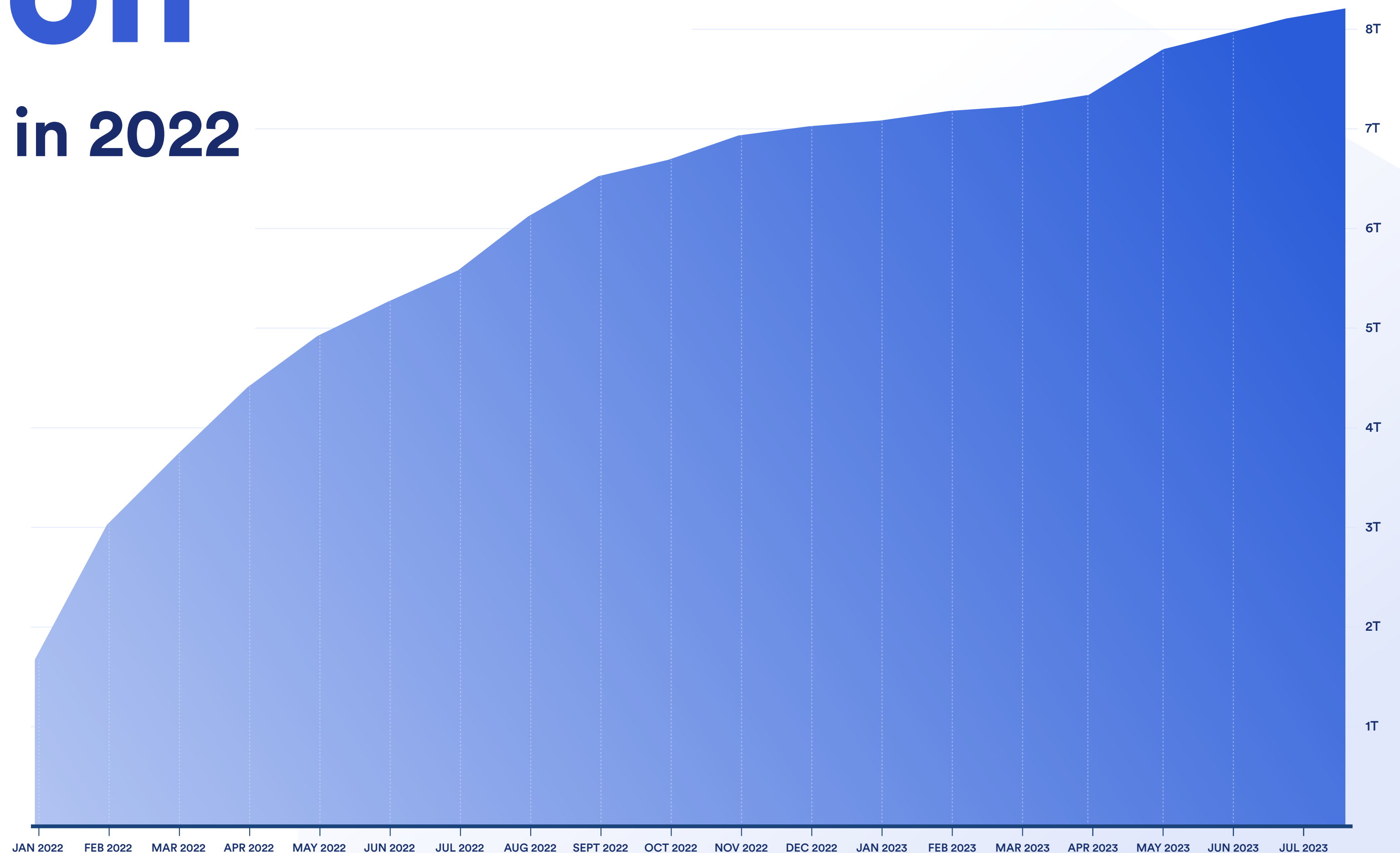
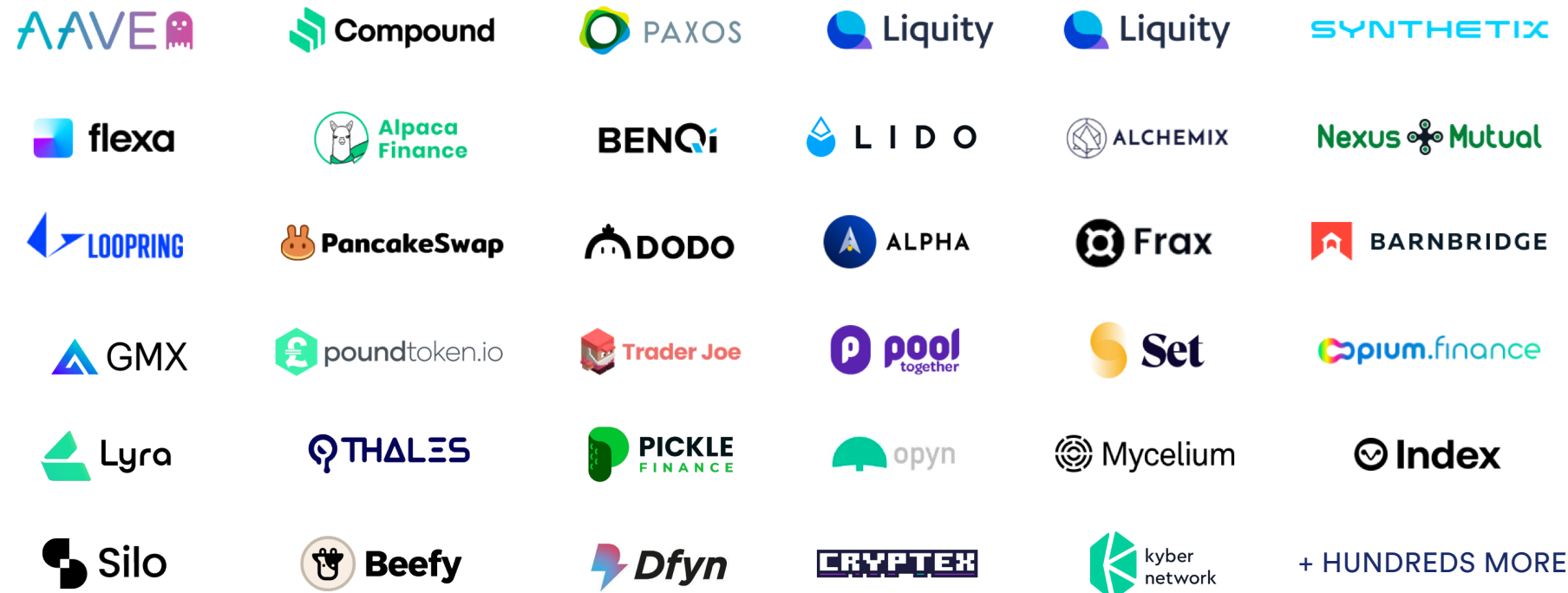


Central Bank Digital Currencies

TRANSACTION VALUE ENABLED (TVE)

\$8.2+ Trillion

Cumulative Total Starting in 2022



TVE is calculated by taking the sum of the USD value associated with each transaction utilizing a Chainlink oracle.

Chainlink TVE currently reflects the aggregate USD value of crypto transactions facilitated by Chainlink in 2022 on Avalanche, BNB Chain, Ethereum, Fantom, Gnosis, Heco, Optimism, and Polygon.

9.4+ Billion

Data Points Delivered On-Chain



Business Feb 17, 2022

**BofA Says Chainlink
Likely Driver for DeFi's
TVL Growth to \$203B**

“Chainlink’s DON has seen significant adoption and is a likely driver of DeFi’s growth to \$203bn in total value locked (TVL) ”

JUL 2021

JAN 2022

JUL 2022

JAN 2023

JUL 2023

8bn

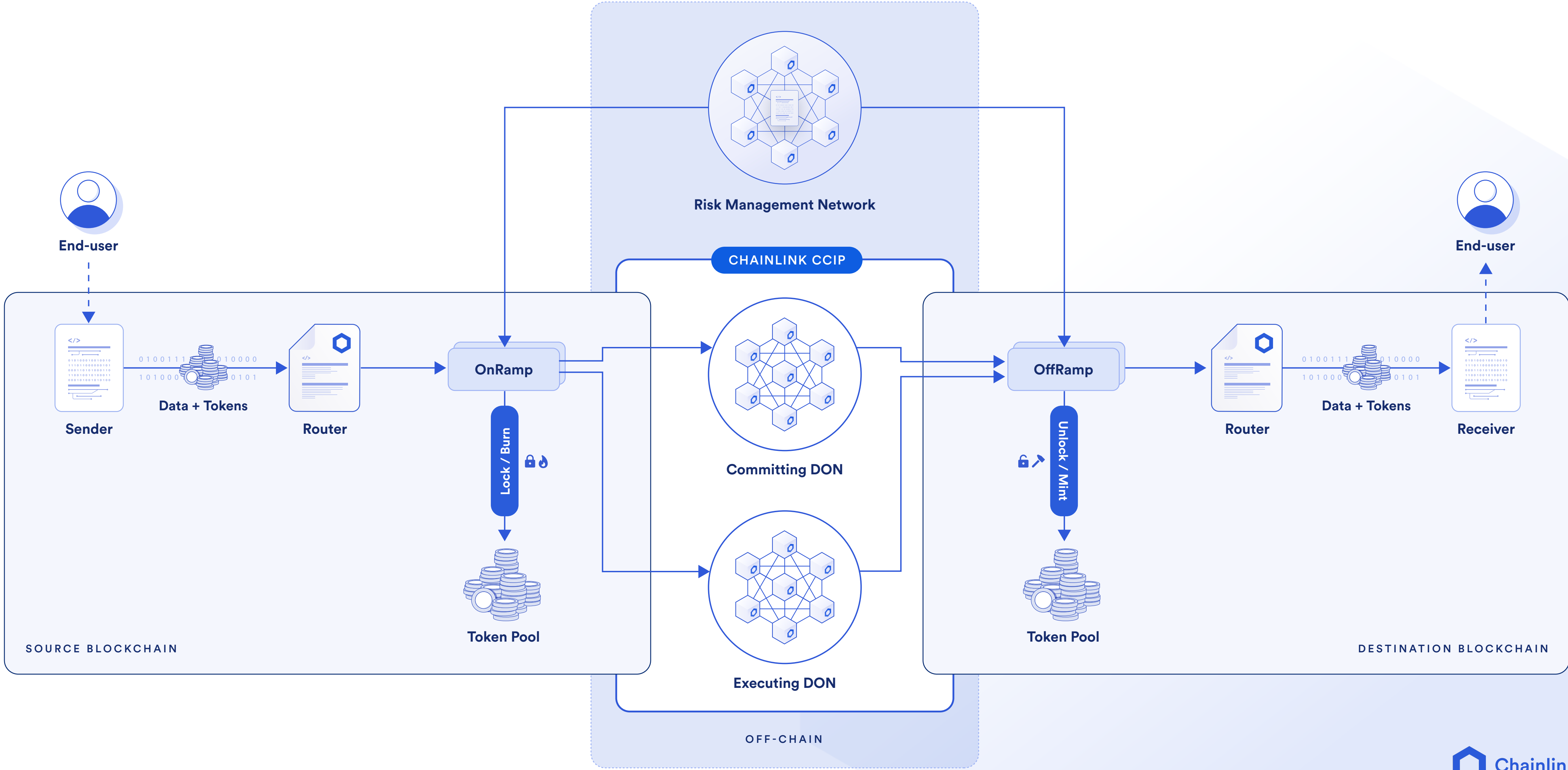
6bn

4bn

2bn

0

CCIP Introduces Greater Security and Risk Management to Cross-Chain



CCIP Is Live on Mainnet and Is Opening to Developers Today

The screenshot displays the Chainlink CCIP Explorer interface. At the top, there is a search bar labeled "Search by Message ID / Txn Hash / Address" and a "Connect wallet" button. Below the search bar, the page is titled "CCIP Explorer / Status Lanes".

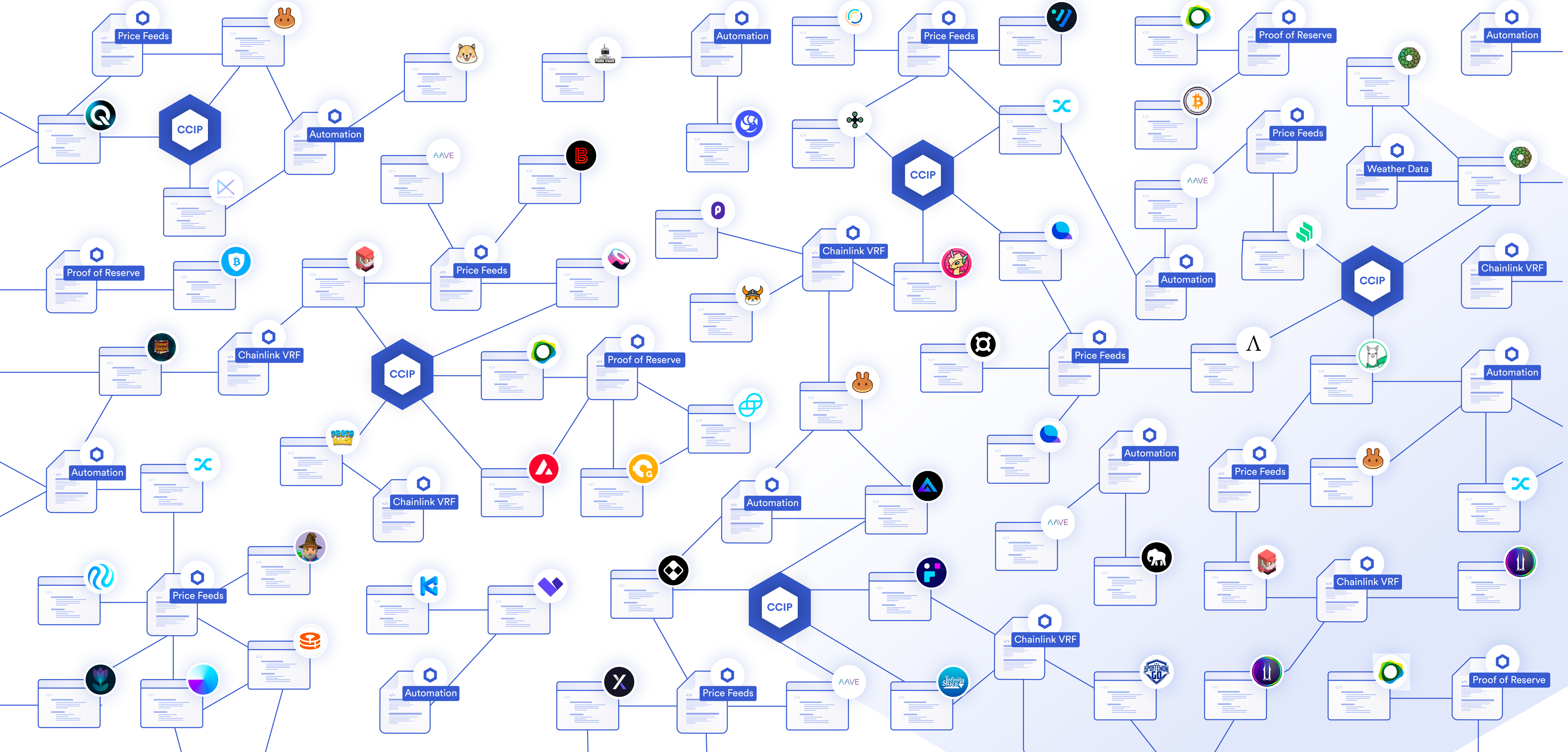
The interface is divided into four quadrants, each representing a different blockchain network:

- Ethereum Mainnet:** Lists four routers with their respective "To" destinations and "Status" (all Operational).
 - To: Avalanche Mainnet, Router: 0xe561...1476, Status: Operational
 - To: Optimism Mainnet, Router: 0xe561...1476, Status: Operational
 - To: Polygon Mumbai, Router: 0x5544...82d8, Status: Operational
 - To: Optimism Goerli, Router: 0xea67...0e5a, Status: Operational
- Arbitrum Goerli:** Lists four routers with their respective "To" destinations and "Status" (all Operational).
 - To: Optimism Goerli, Router: 0x88e4...589e, Status: Operational
 - To: Ethereum Sepolia, Router: 0x88e4...589e, Status: Operational
 - To: Optimism Goerli, Router: 0xd0da...93bf, Status: Operational
 - To: Polygon Mumbai, Router: 0xd0da...93bf, Status: Operational
- Optimism Mainnet:** Lists one router with its "To" destination and "Status" (Operational).
 - To: Ethereum Mainnet, Router: 0x261c...d6e8, Status: Operational
- Avalanche Mainnet:** Lists one router with its "To" destination and "Status" (Operational).
 - To: Ethereum Mainnet, Router: [not fully visible], Status: Operational

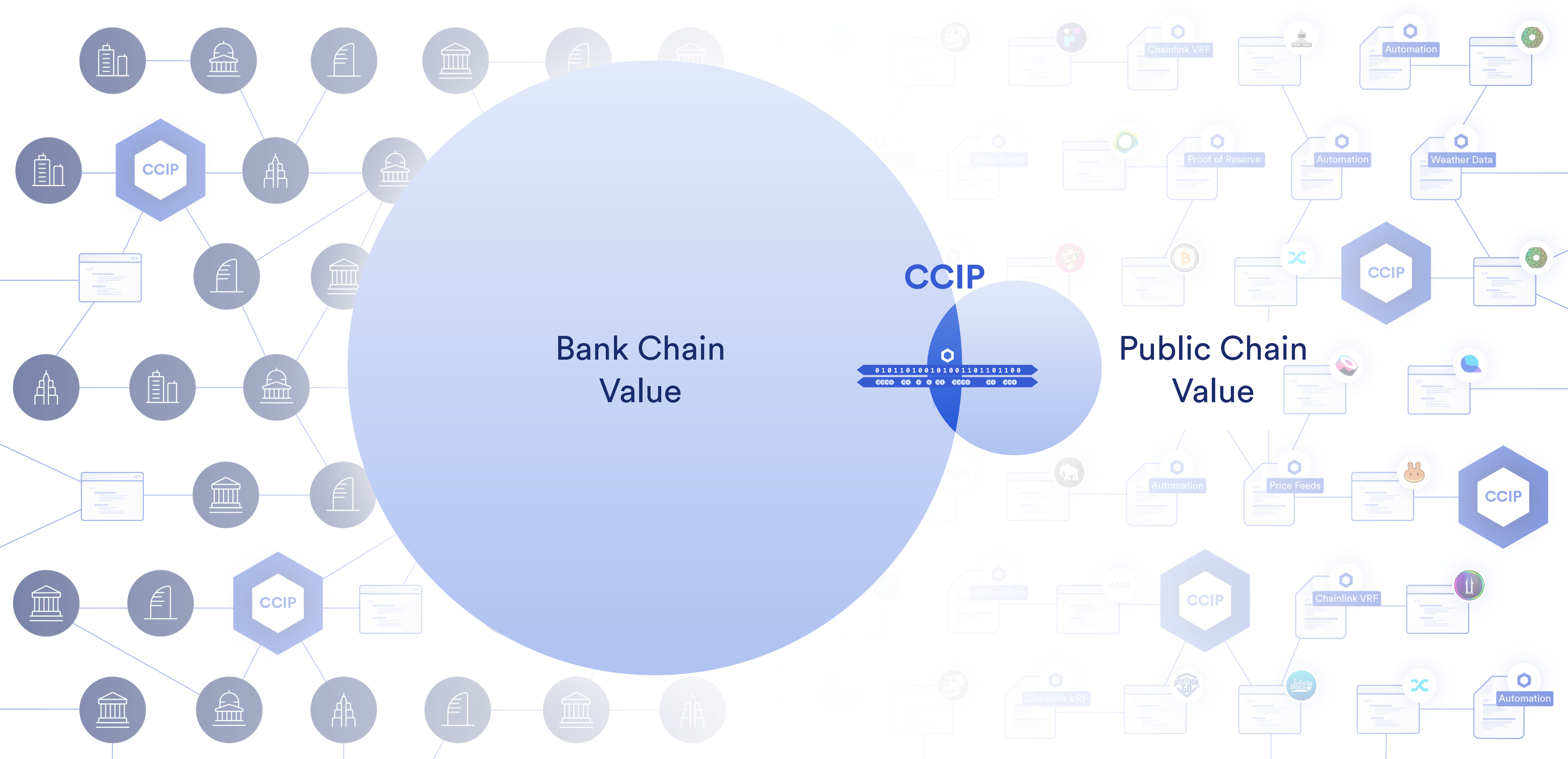
At the bottom of the screen, there are two more sections partially visible: "Avalanche Fuji" and "Ethereum S...".

docs.chain.link/ccip

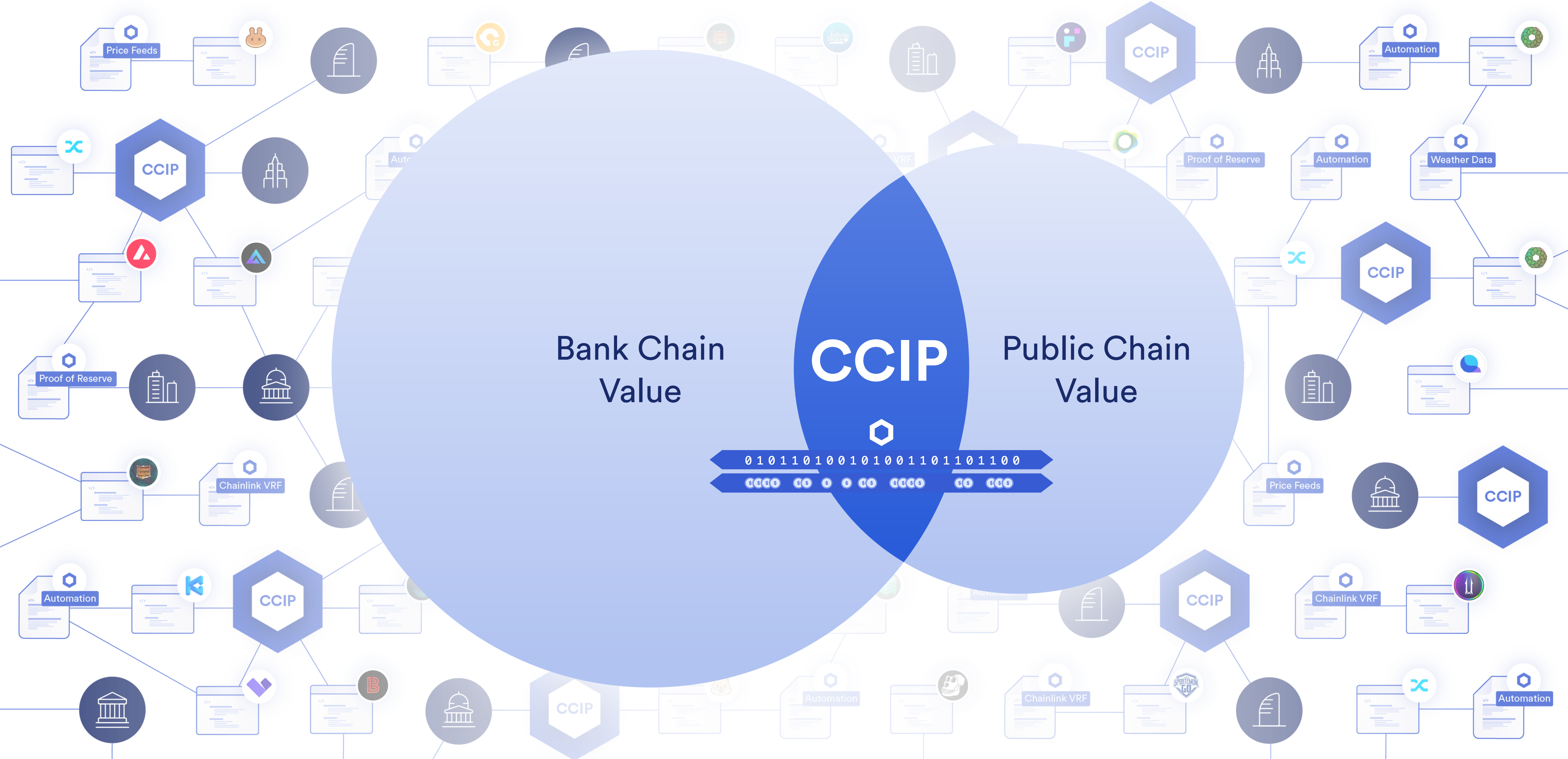
The Launch of CCIP Is the Start of a Secure and Reliable Internet of Contracts



Two Separate Internets of Contracts Will Initially Exist: DeFi and Bank Chains



Connecting These Two Internets of Contracts Will Grow Our Entire Industry



Remaking the Global Financial System Into an On-Chain Financial System



Bank Chain Value

CCIP

Public Chain Value

0 1 0 1 1 0 1 0 0 1 0 1 0 0 1 1 0 1 1 0 1 1 0 0
\$ \$



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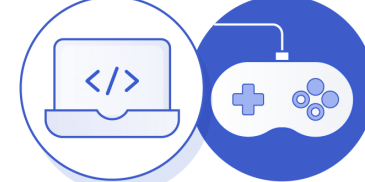
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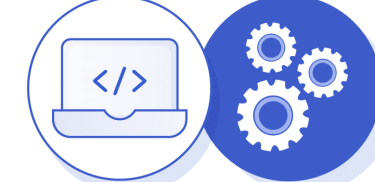
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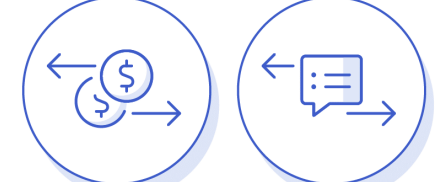
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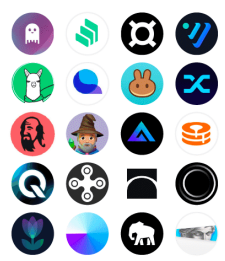
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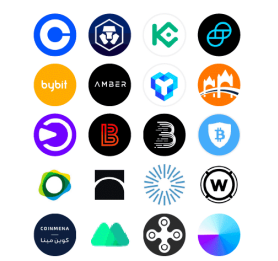
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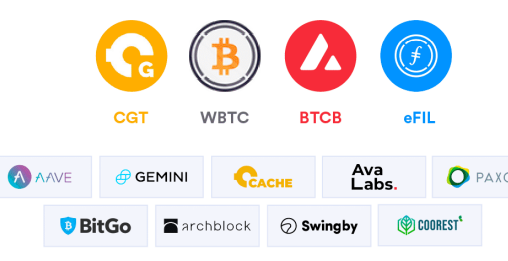
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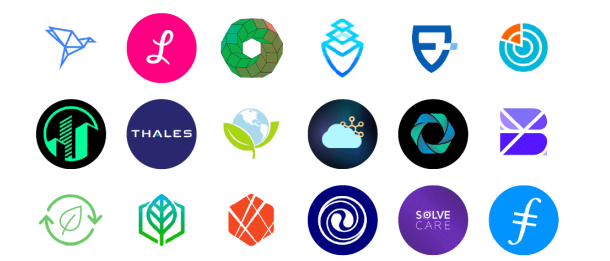
CeFi Applications



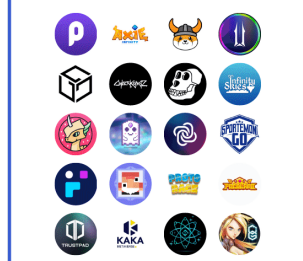
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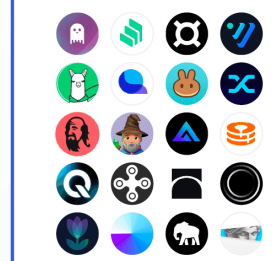
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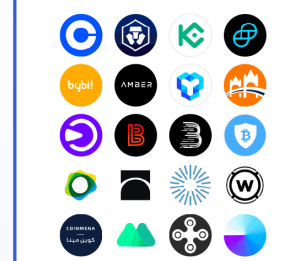
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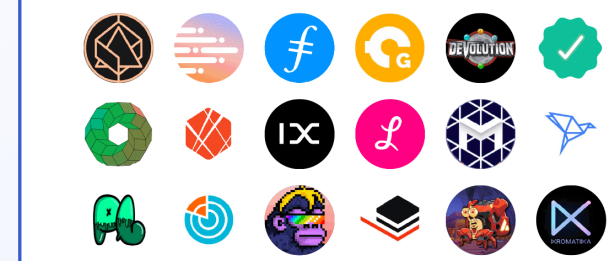
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Central Bank Digital Currencies

Thank You

Disclaimer: This presentation is for informational purposes only and contains statements about the future, including anticipated programs and features, developments, and timelines for the rollout of these programs and features. These statements are only predictions and reflect current beliefs and expectations with respect to future events; they are based on assumptions and are subject to risk, uncertainties, and change at any time. There can be no guarantee that any of the contemplated programs or features will be implemented as specified nor any assurance that actual results will not differ materially from those expressed in these statements, although we believe them to be based on reasonable assumptions. All statements are valid only as of the date first presented. The statements in this presentation also may not reflect future developments due to user feedback or later events and we may not update this presentation in response.