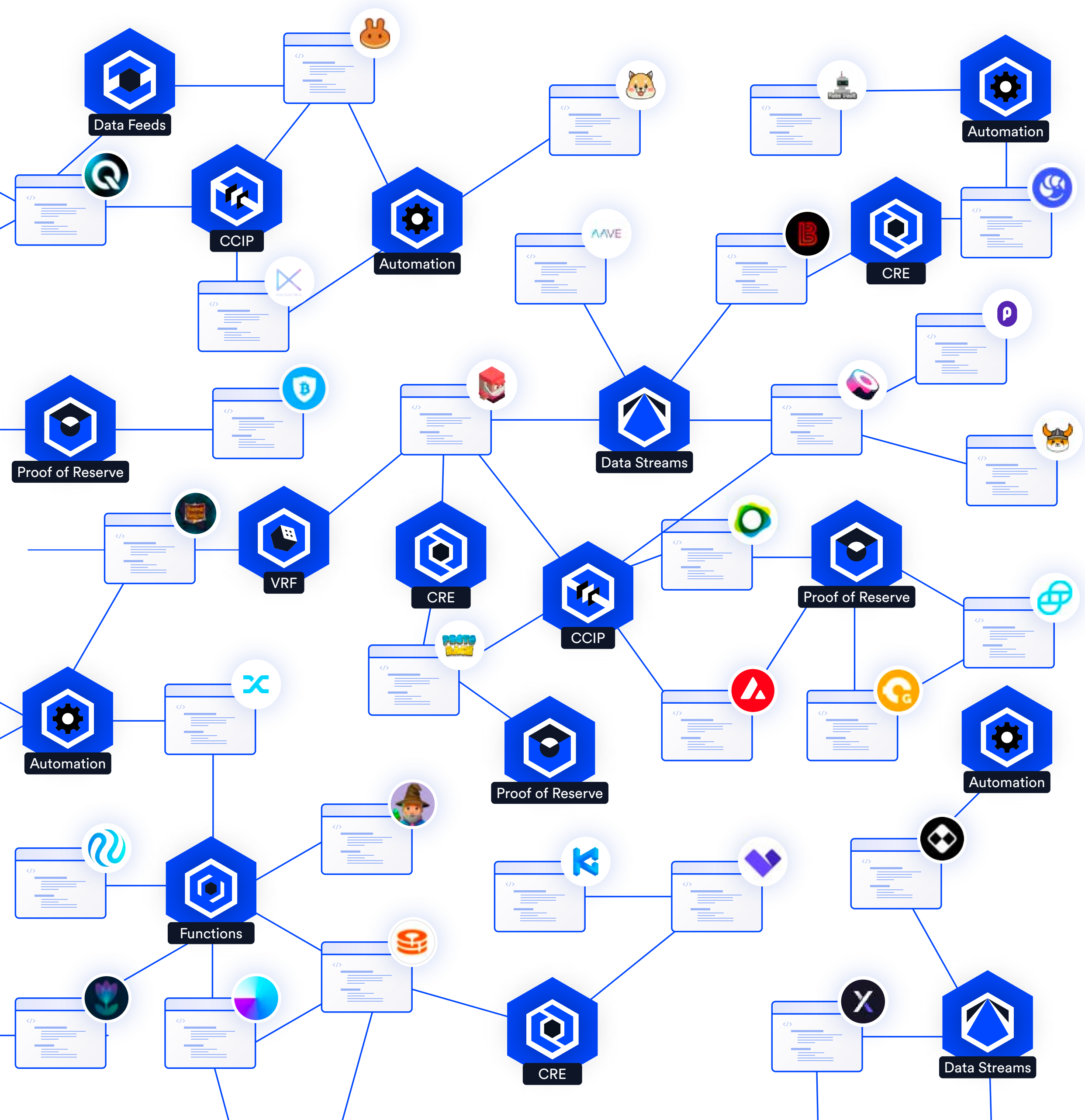




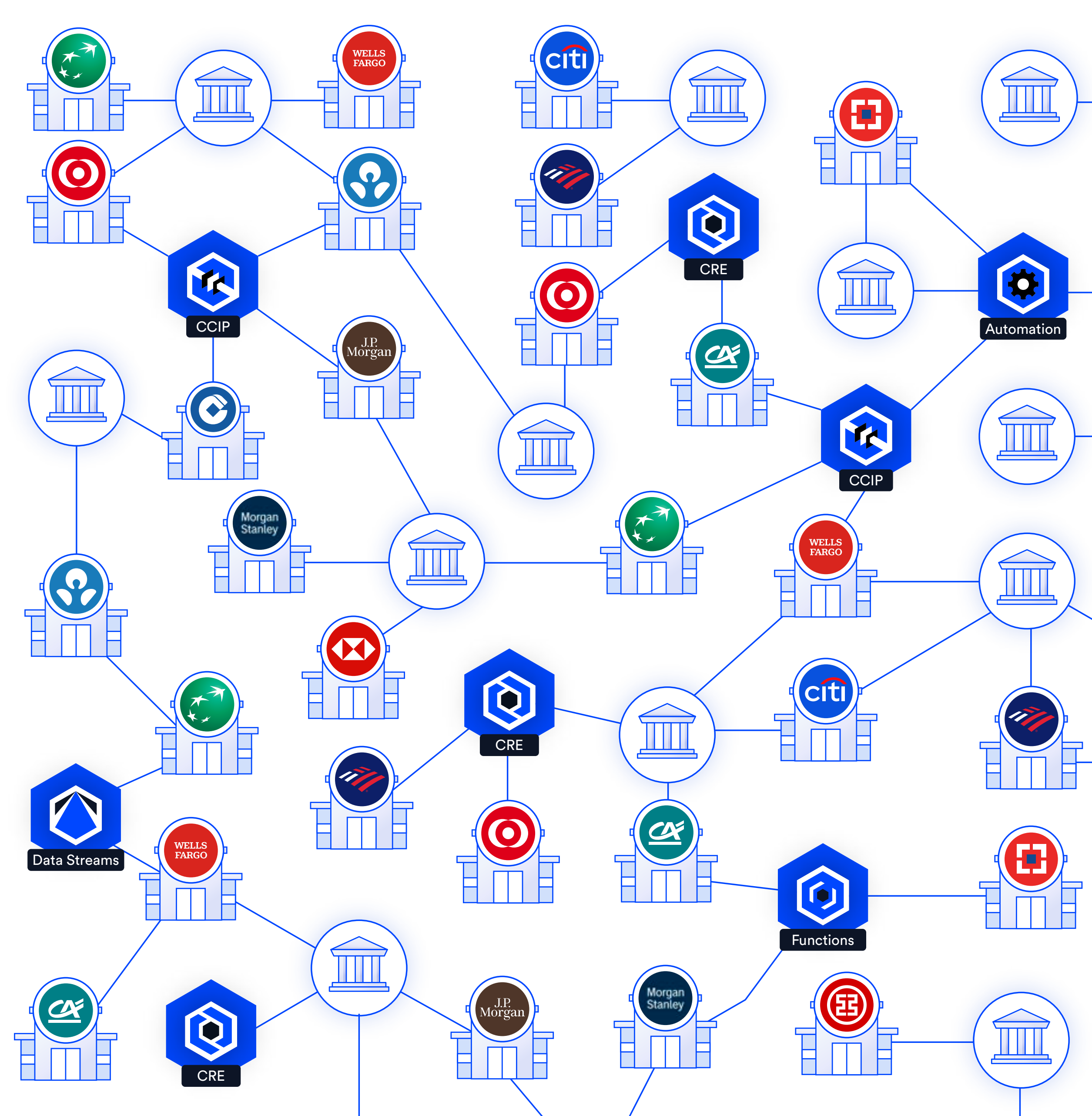
SmartCon 2024



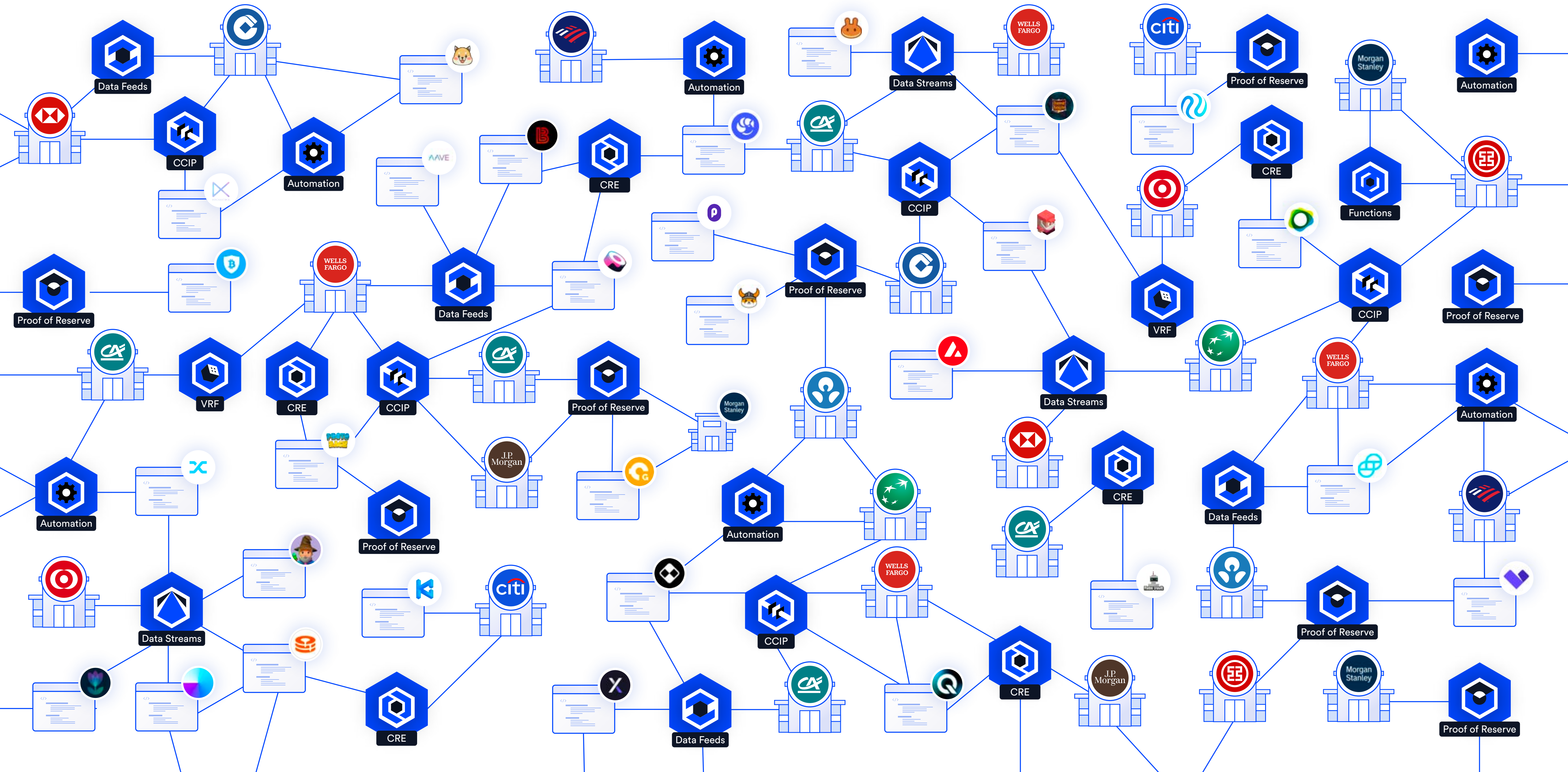
Web3 on Chainlink Standards



TradFi on Chainlink Standards

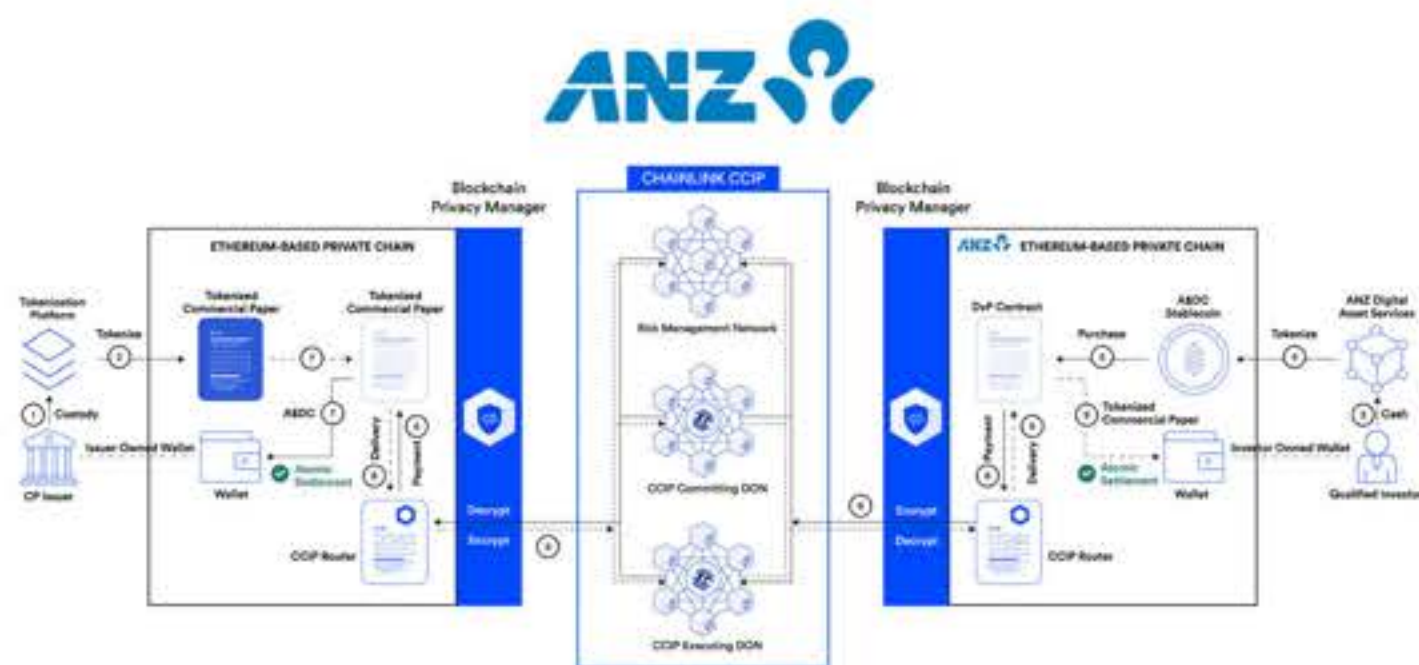
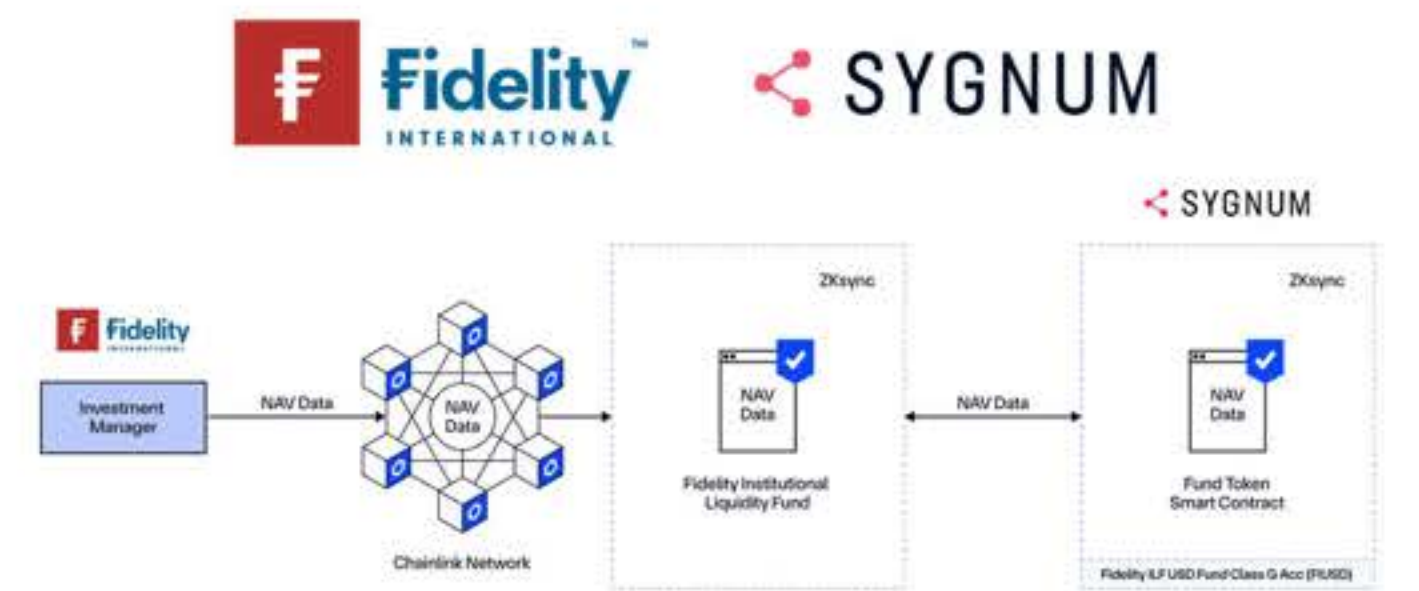


Merging These Internets of Contracts Using One Set of Standards Is Our Goal



Chainlink Is Collaborating With the Leading Financial Institutions

Institutional Usage is Live and More Going Towards Production



Swift Interoperability



DTCC SmartNAV



Chainlink AI Oracles





Chainlink Runtime Environment (CRE)



Cryptographically Provable Data

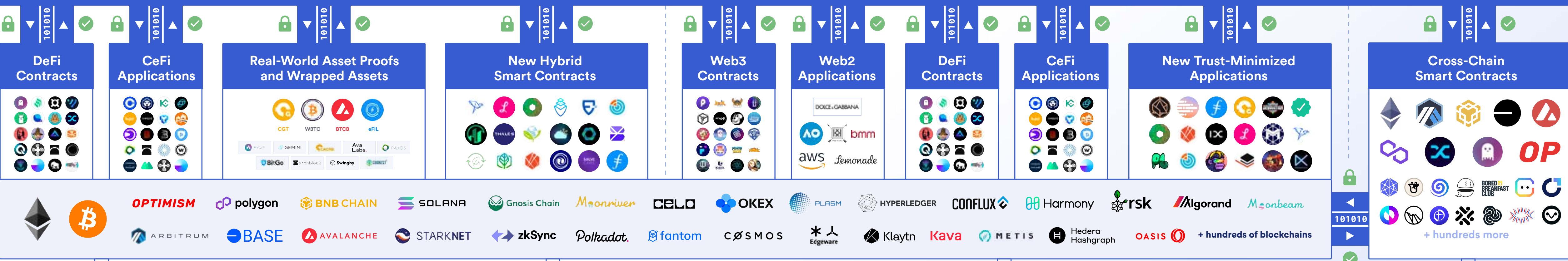
Cryptographically Trust-Minimized Compute

Cross-Chain Value

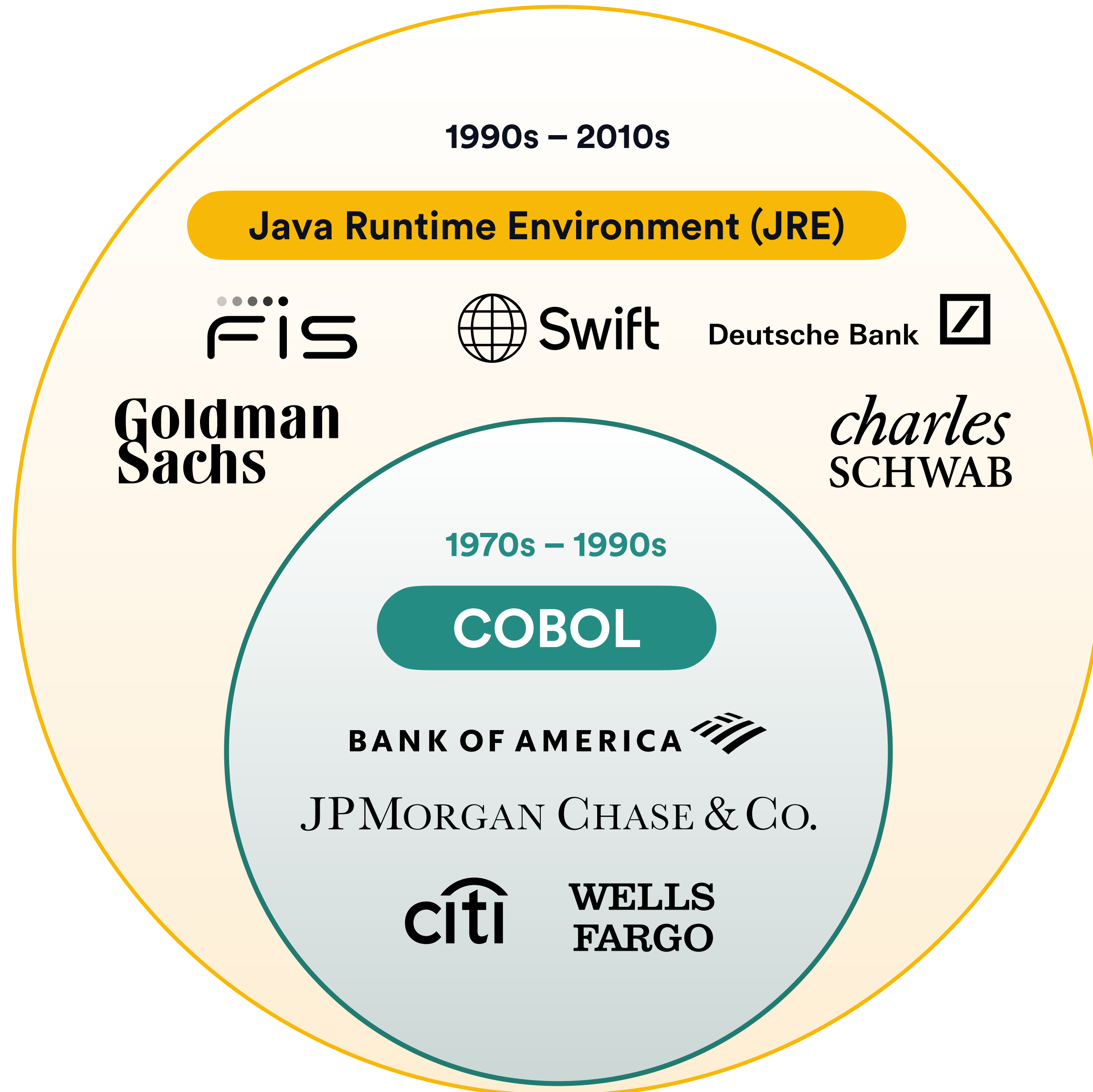


Decentralized Oracle Networks

+ hundreds more



Every 30 Years a New Runtime Powers a Financial System Revolution



Java Runtime Environment (JRE)

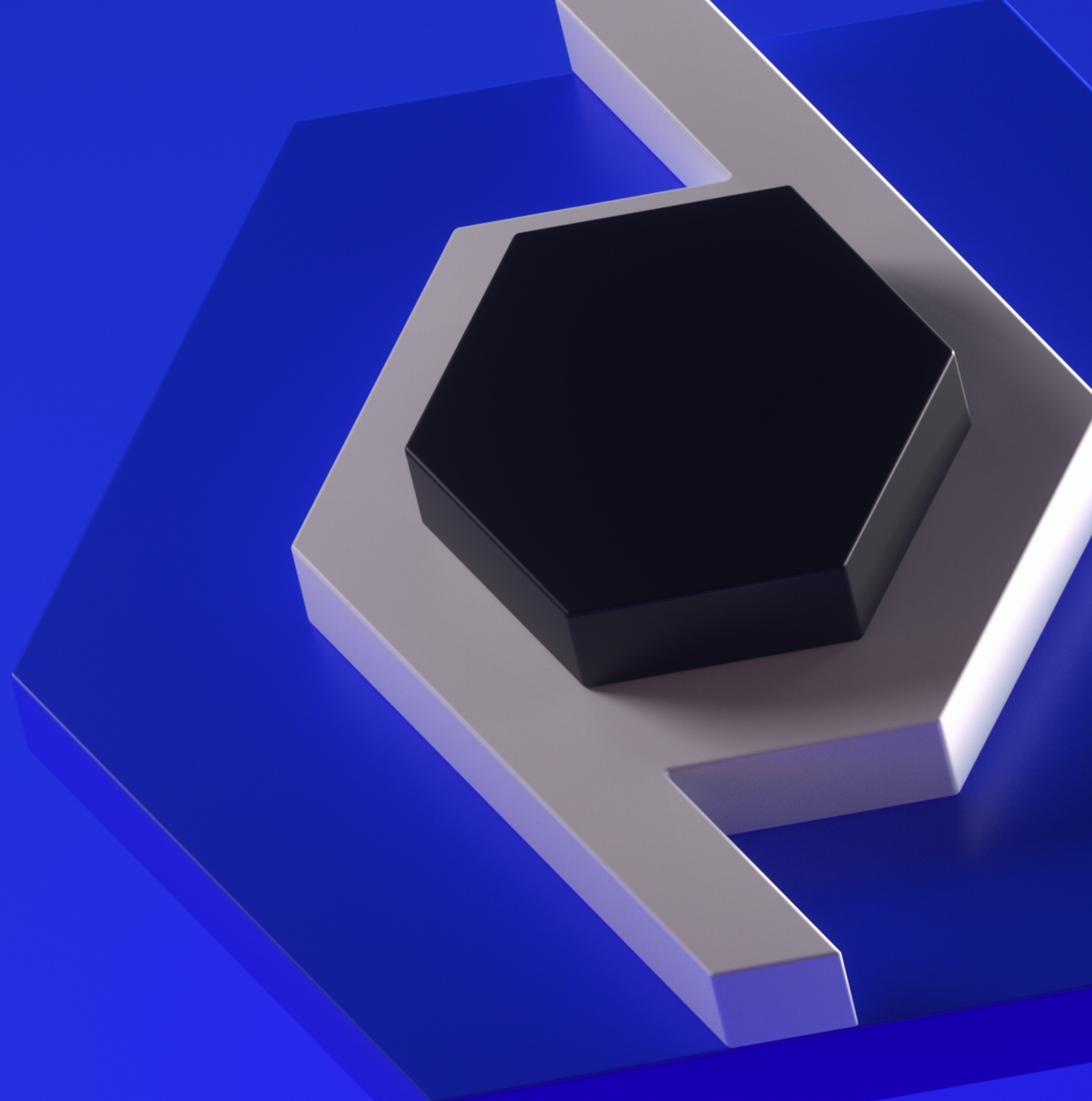
- By 2011, **80%+** of electronic trading apps were running on JVM
- A key driver of using database technology and online banking
- Many leading financial institutions still leverage JRE:
 - Alliance Messaging Hub – Swift’s messaging solution
 - FIS Profile – FIS’s core banking platform
 - Autobahn – Deutsche Bank’s multi-channel gateway
 - GS Collections – Goldman Sachs’ Java collections framework

COBOL Runtime

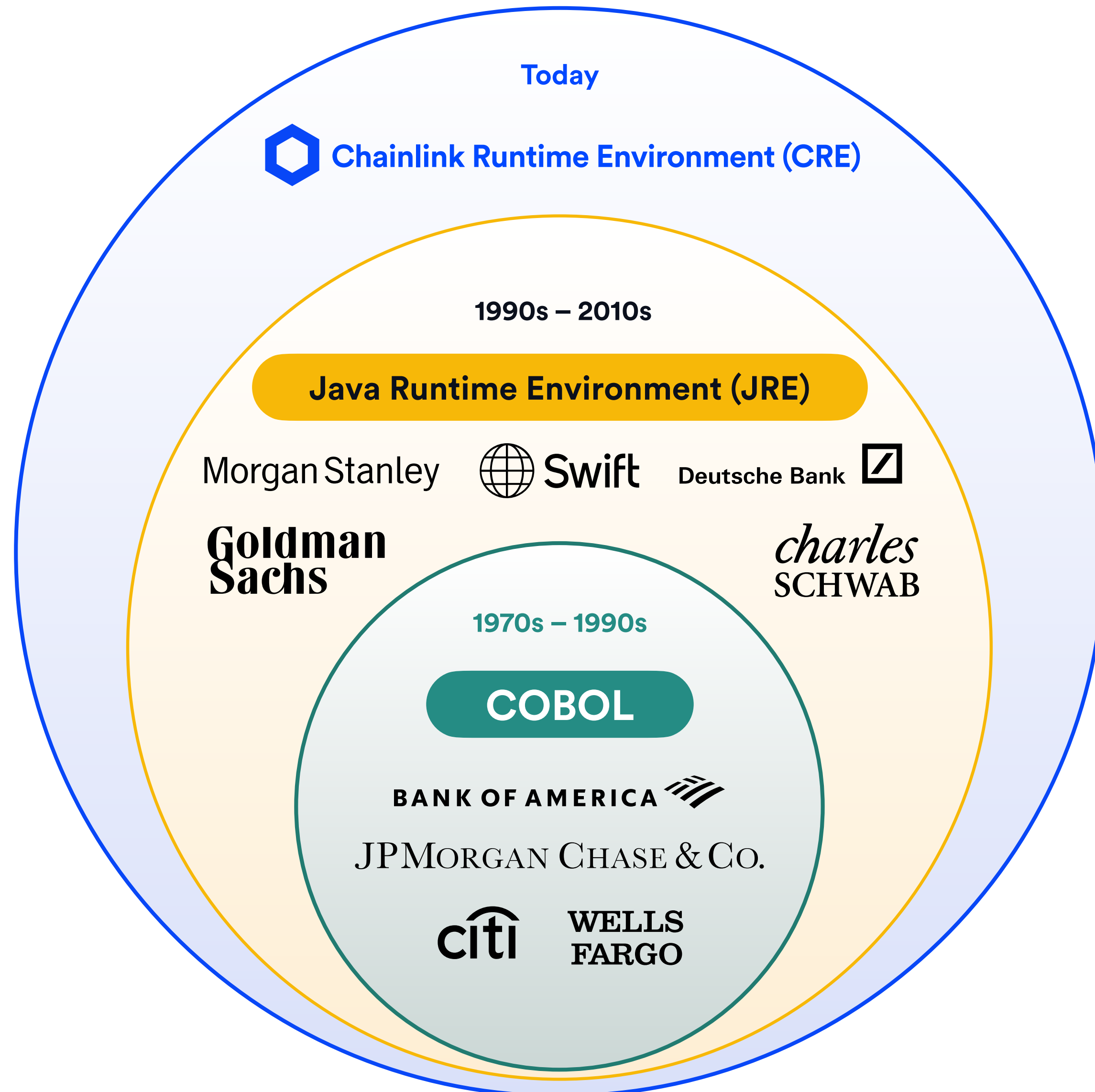
- Cobol drives **90%** of ATM transactions
- Cobol drives **80%** of in-person banking transactions
- **~\$3 trillion** in daily commerce flows through Cobol systems
- Transformed core transaction processing within banks in the 1970s during the first computer revolution, enabling electronic banking
- Still powers major banking use cases like mainframe payment processing, credit card transactions, ACH payments etc.

ANNOUNCING

Chainlink Runtime Environment (CRE)



Chainlink Runtime Environment Is the Next Stage



Chainlink Runtime Environment

- Market leader for powering DeFi and TradFi smart contracts
- Best security track record for computations of its type
- Widely used cross-chain transaction standard in CCIP

Java Runtime Environment

- By 2011, **80%+** of electronic trading apps were running on JVM
- A key driver of the online banking revolution
- Many leading financial institutions still utilize JVM:
 - Alliance Messaging Hub – Swift’s messaging solution
 - FIS Profile – FIS’s core banking platform

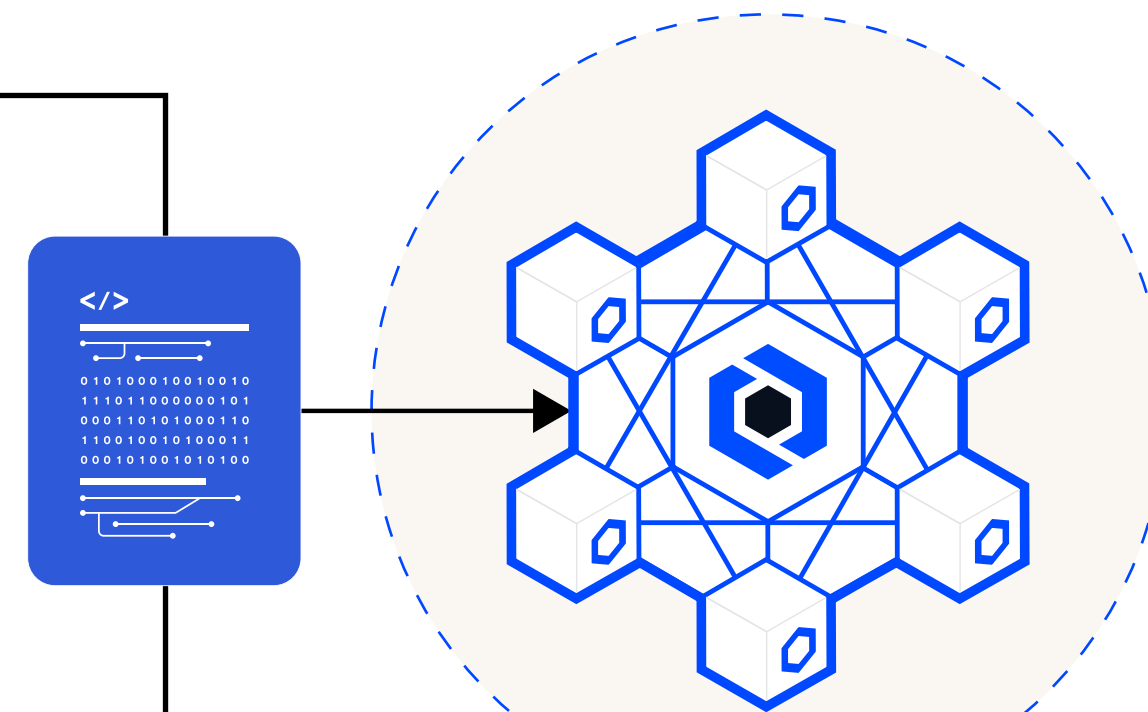
COBOL

- Cobol drives **95%** of ATM transactions
- Cobol drives **80%** of in-person banking transactions
- **~\$3 trillion** in daily commerce flows through Cobol systems
- Transformed core transaction processing within banks in the 1970s during the first computer revolution, enabling electronic banking

Chainlink Runtime Environment (CRE)

CRE WORKFLOW CODE

- Manages coordination across all off-chain systems and onchain systems
- Can be written in multiple languages, initially Go and TypeScript
- Provides decentralized infrastructure security guarantees using proven Decentralized Oracle Networks (DONs)



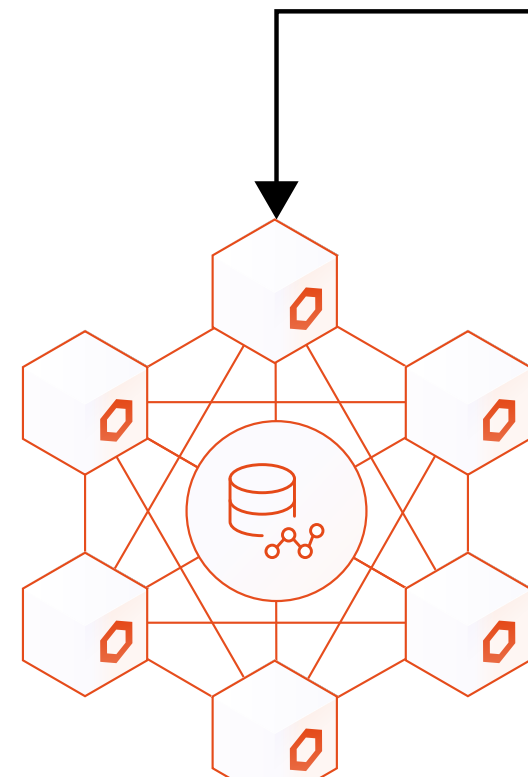
CHAINLINK RUNTIME ENVIRONMENT (CRE)

1 Retrieve Data for Smart Contract

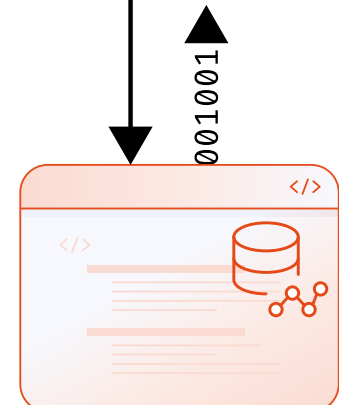
2

Execute Offchain Payments

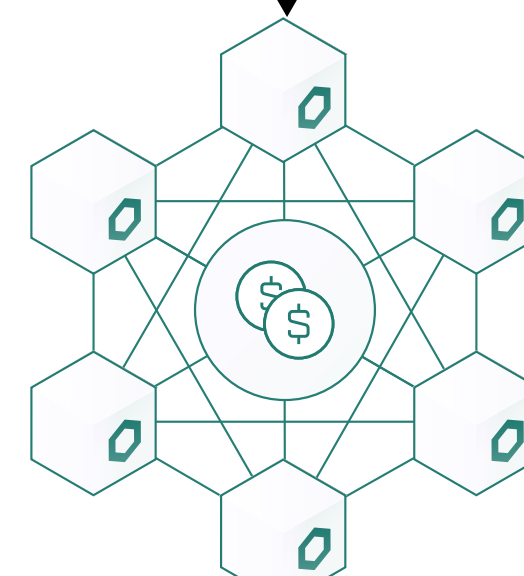
3 Offchain Confidential Computation on Data



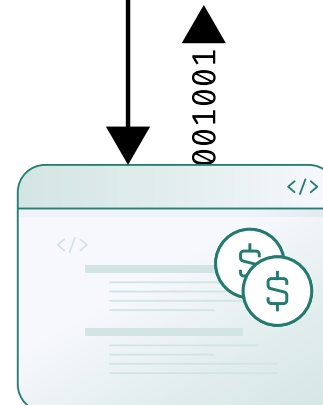
DATA APIs



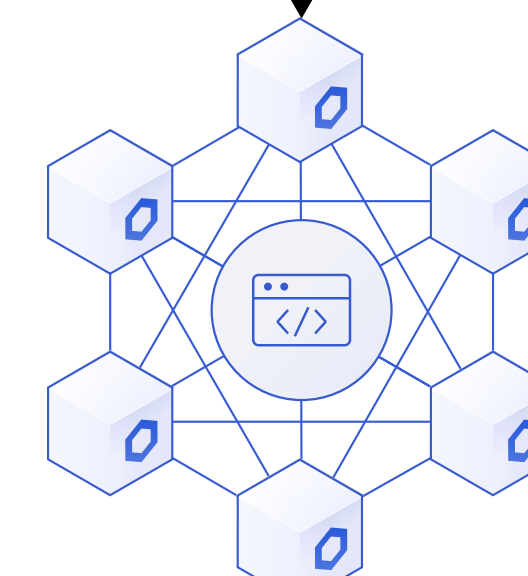
DATA API



PAYMENTS SYSTEMS



PAYMENTS API

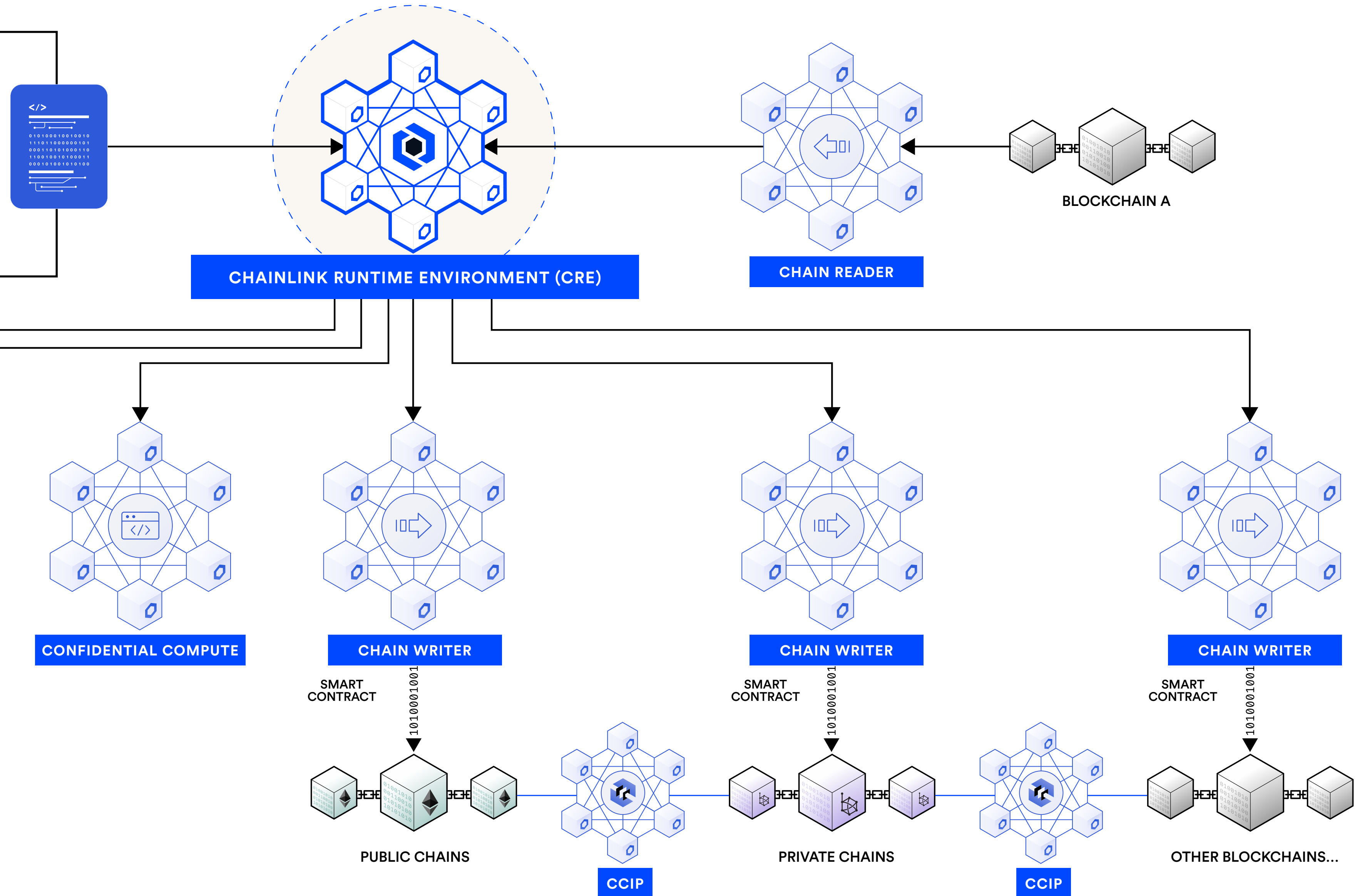


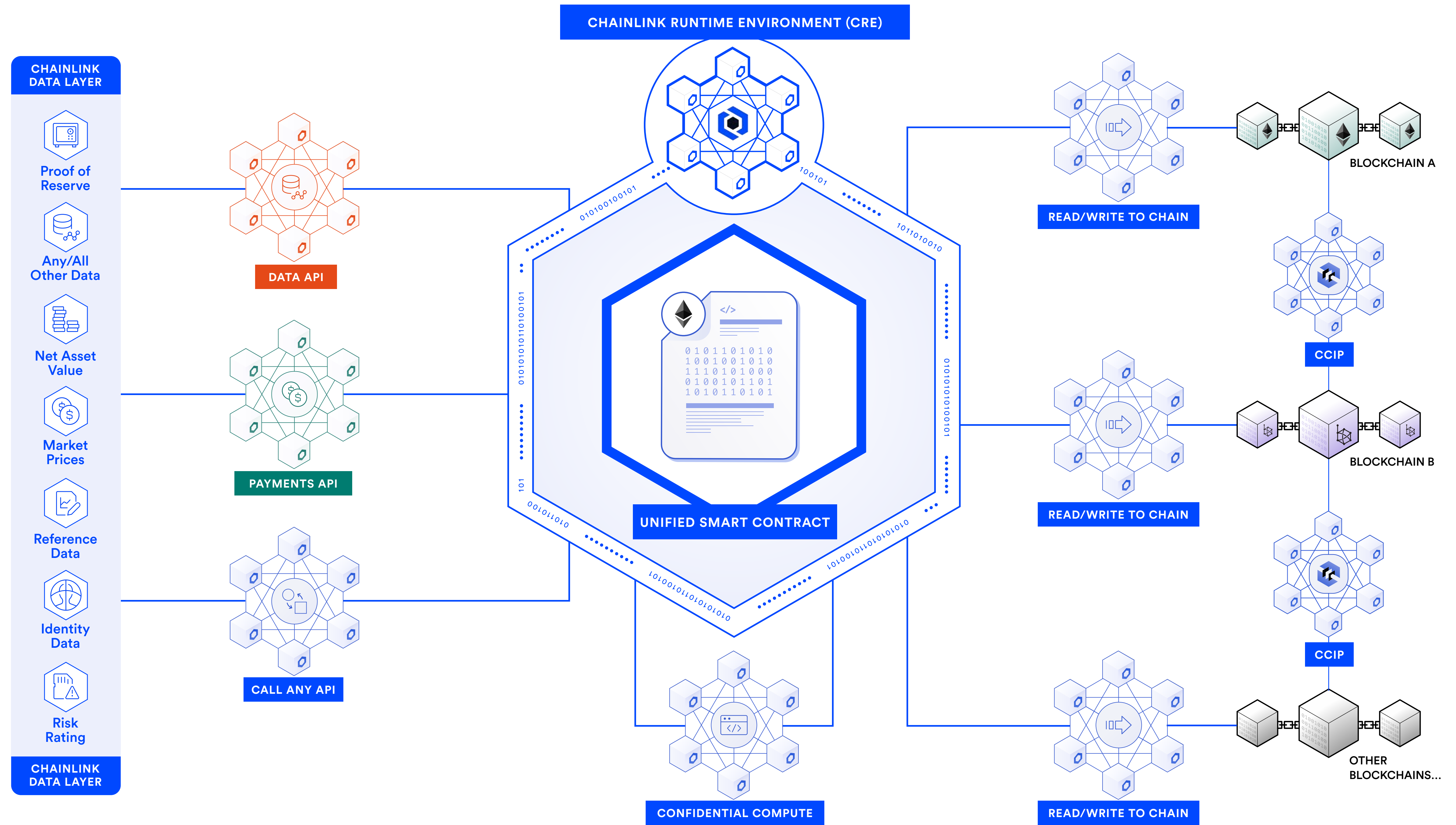
CONFIDENTIAL COMPUTE

Chainlink Runtime Environment (CRE)

CRE WORKFLOW CODE

- Manages coordination across all off-chain systems and onchain systems
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- Provides decentralized infrastructure security guarantees using proven Decentralized Oracle Networks (DONs)





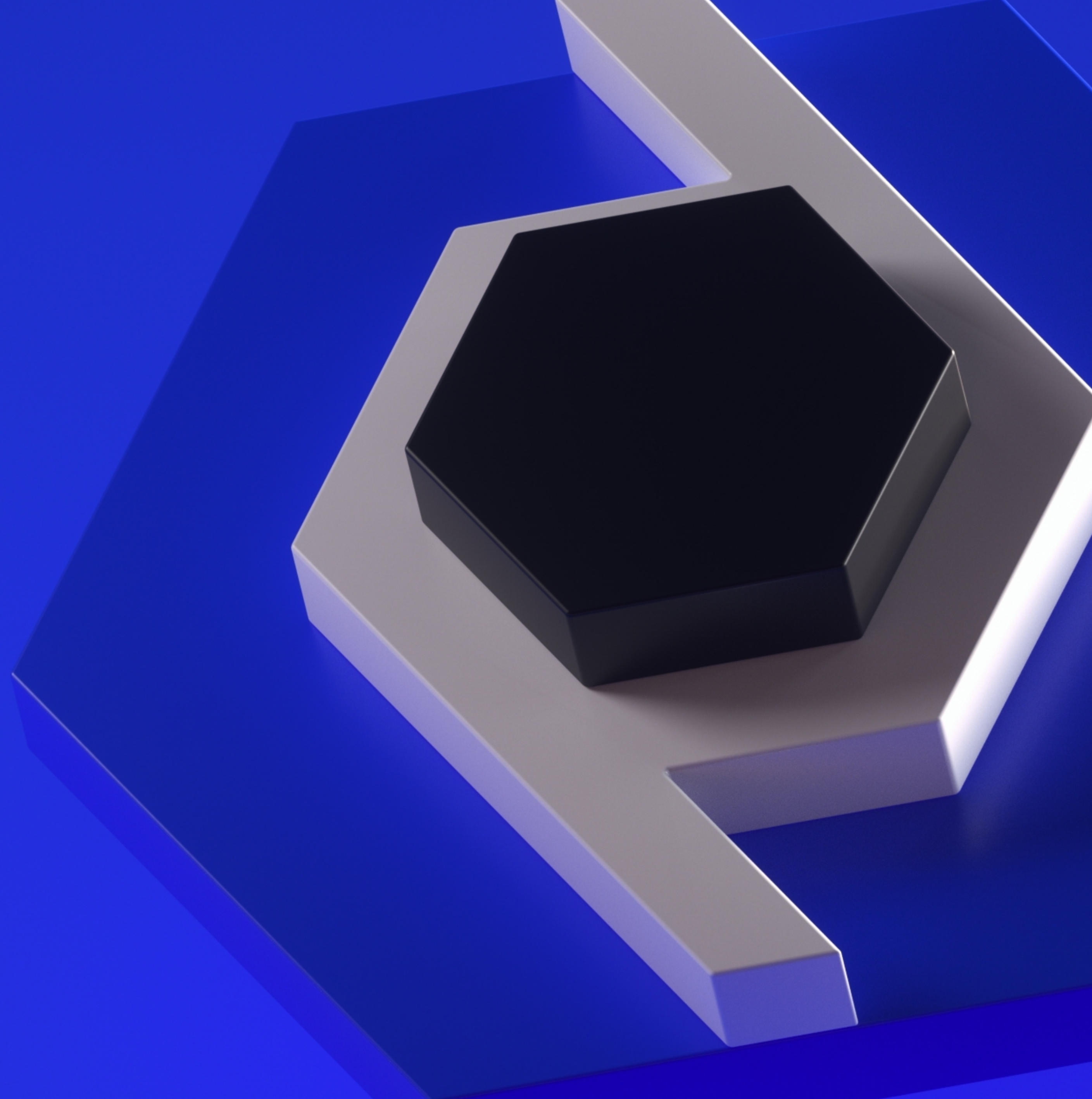
ANNOUNCING

Chainlink Runtime Environment (CRE)

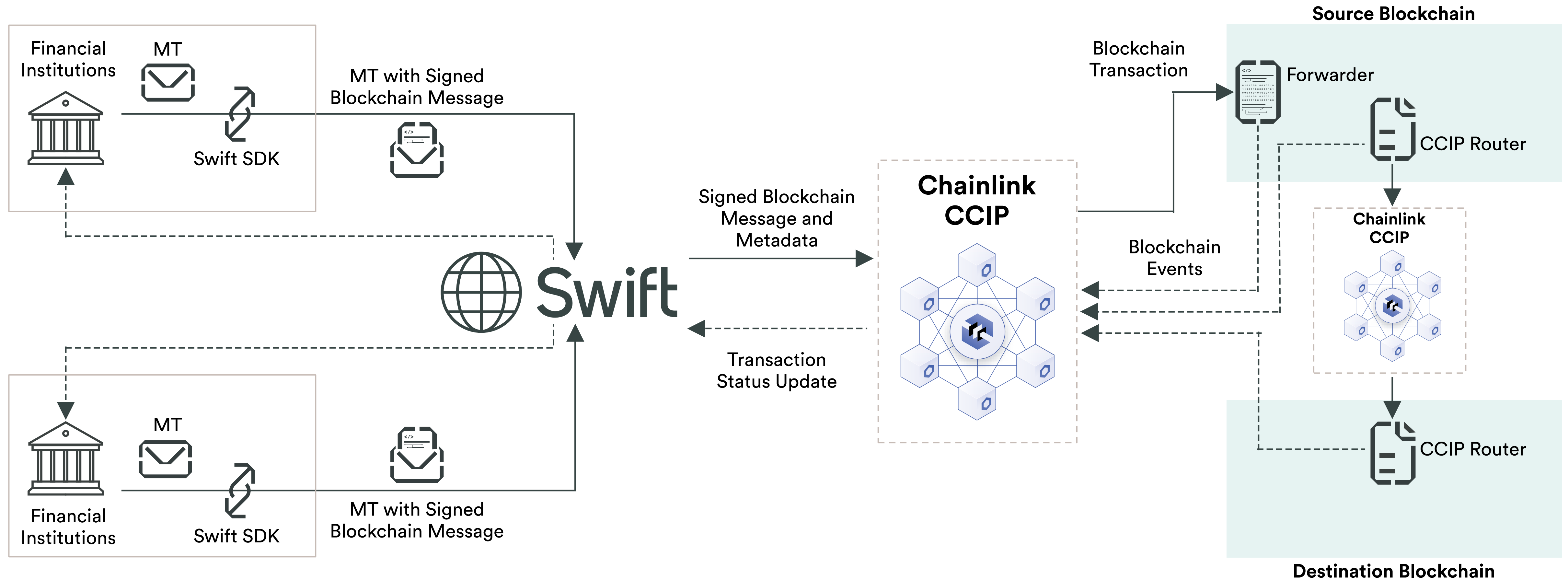


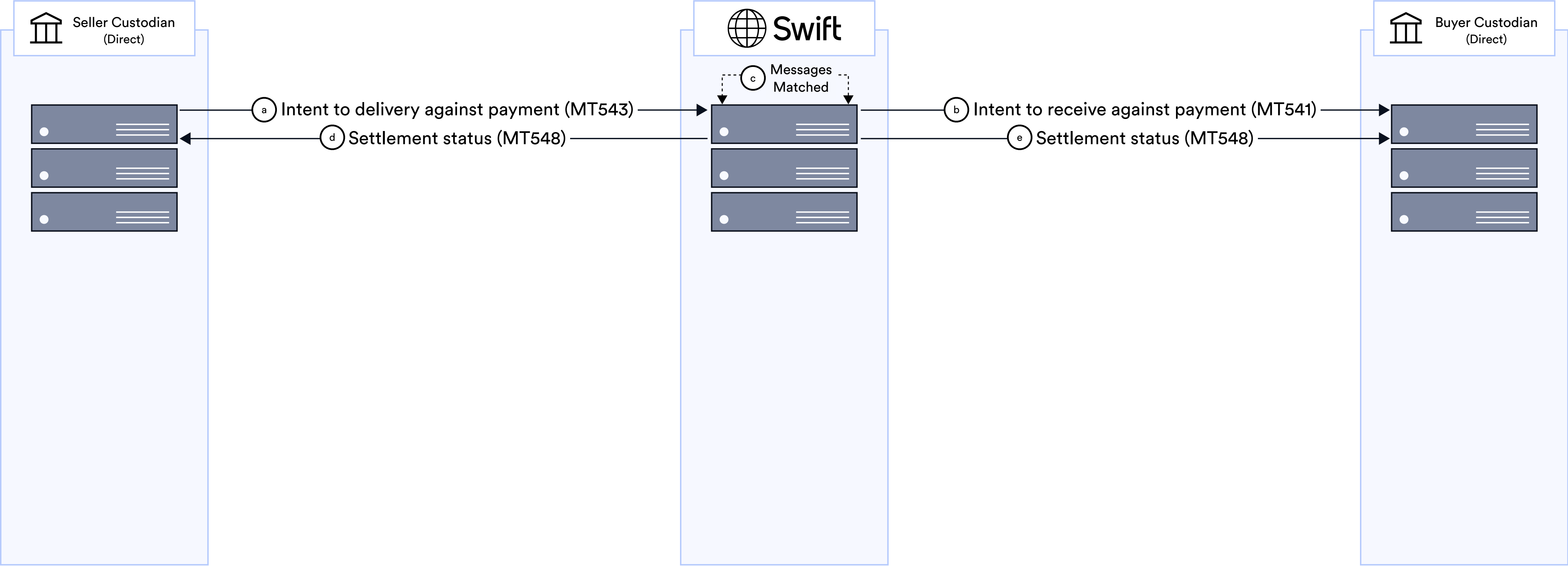
EARLY
ACCESS
SIGNUP

chain.link/cre-early-access

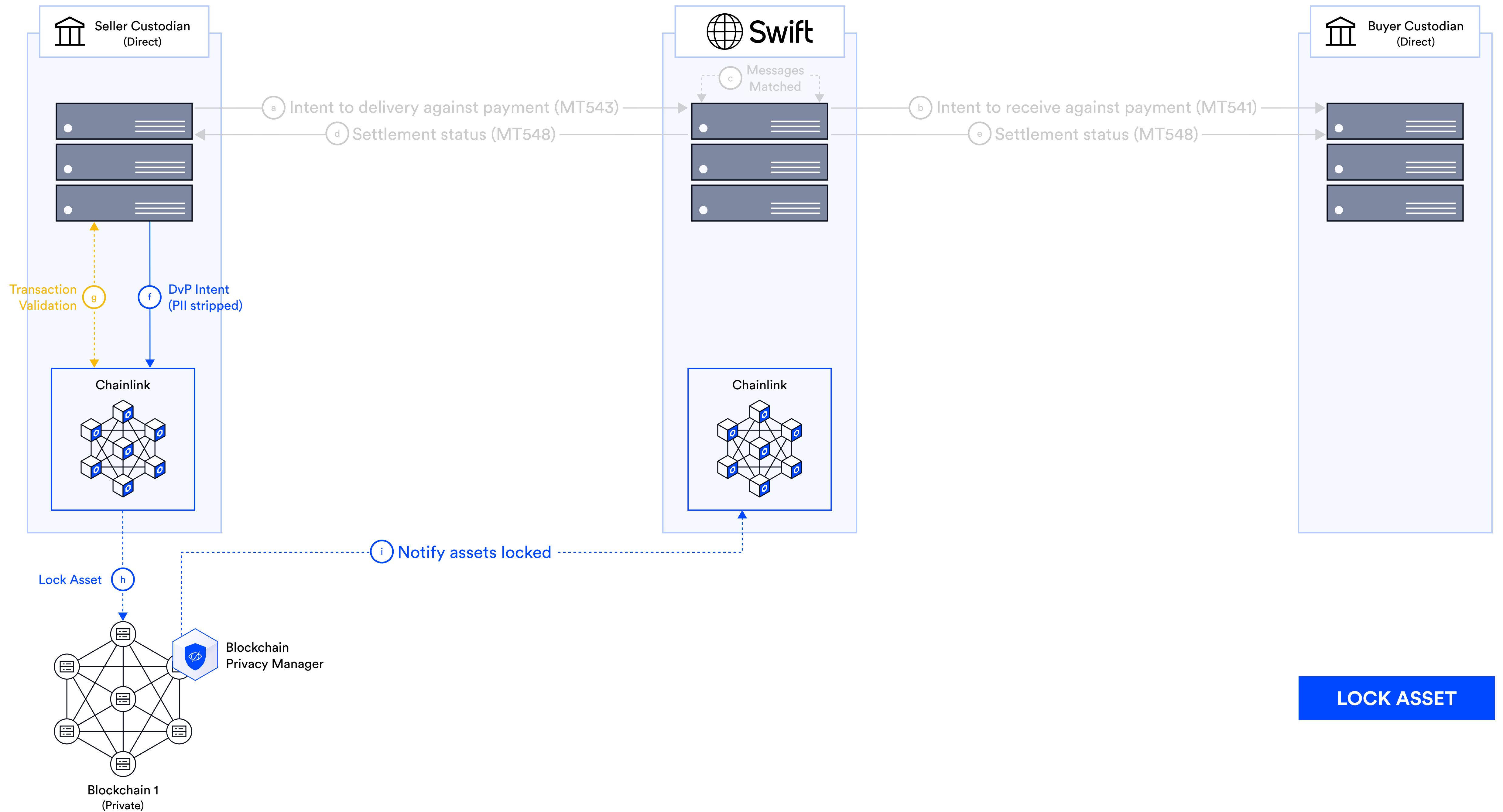


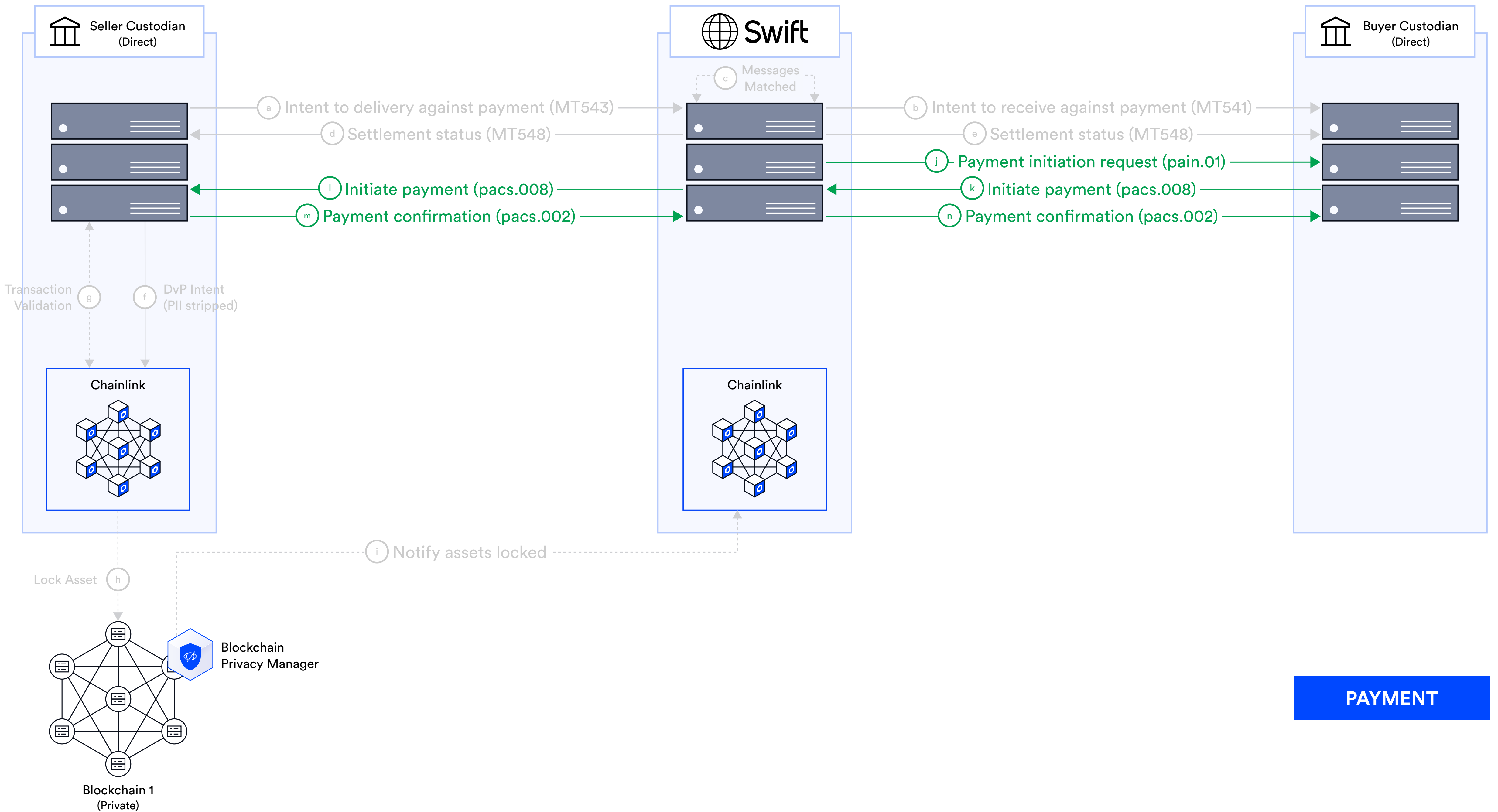
Connecting Capital Markets to Chains Utilizing Existing Global Standards

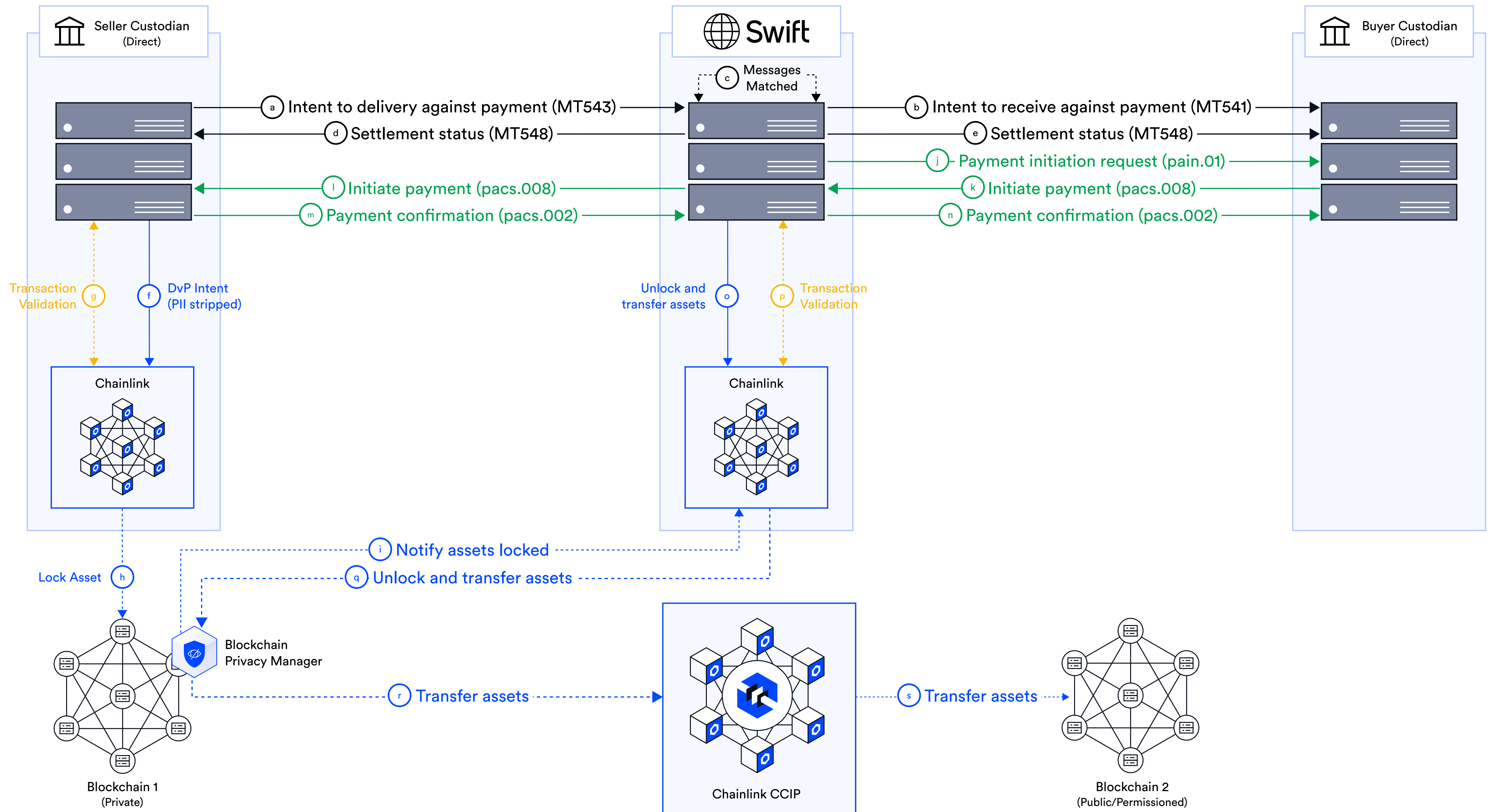




PRE SETTLEMENT







LEARN MORE

Chainlink Runtime Environment (CRE)

// Main Stage

Up Next

5:10–6:10PM

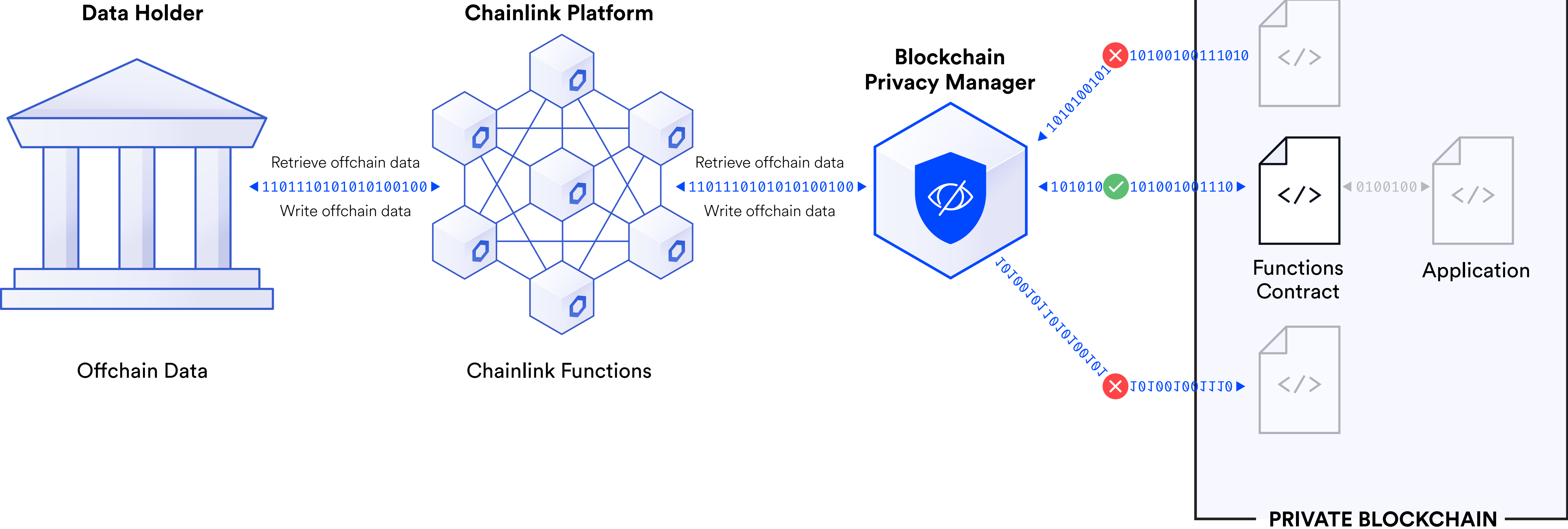


Uri Sarid

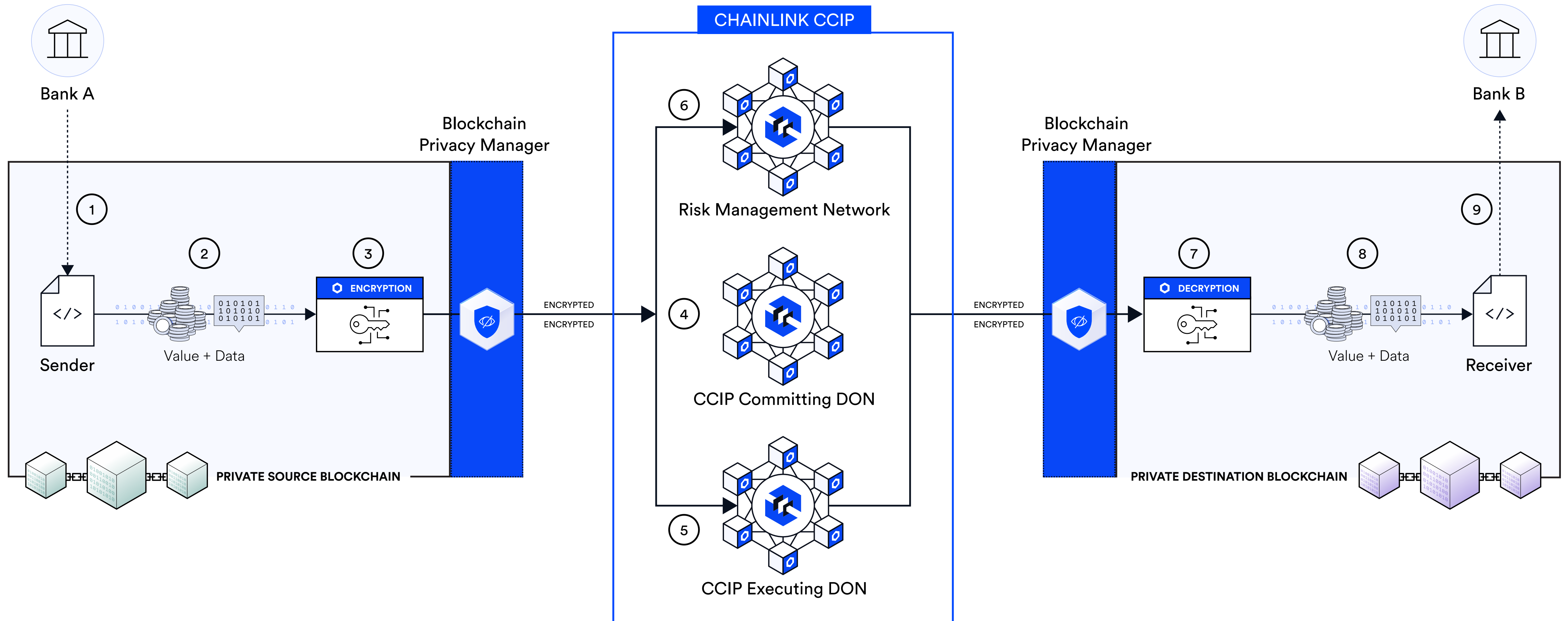
Chief Architect, Chainlink Labs

Blockchain Privacy Manager

CHAINLINK FUNCTIONS



CCIP Private Transactions



LEARN MORE

CCIP Private Transactions and Blockchain Privacy Manager

// Main Stage

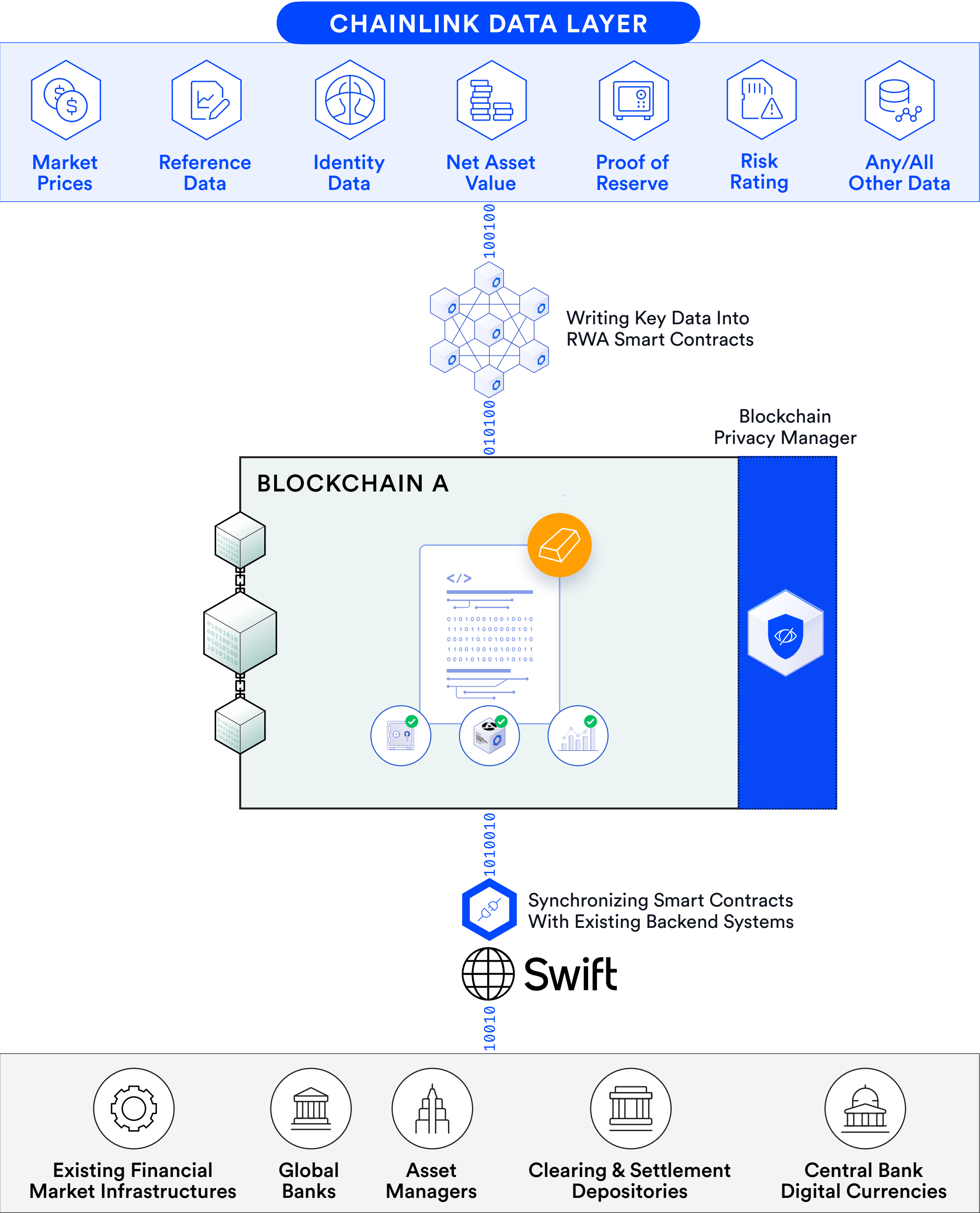
Up Next

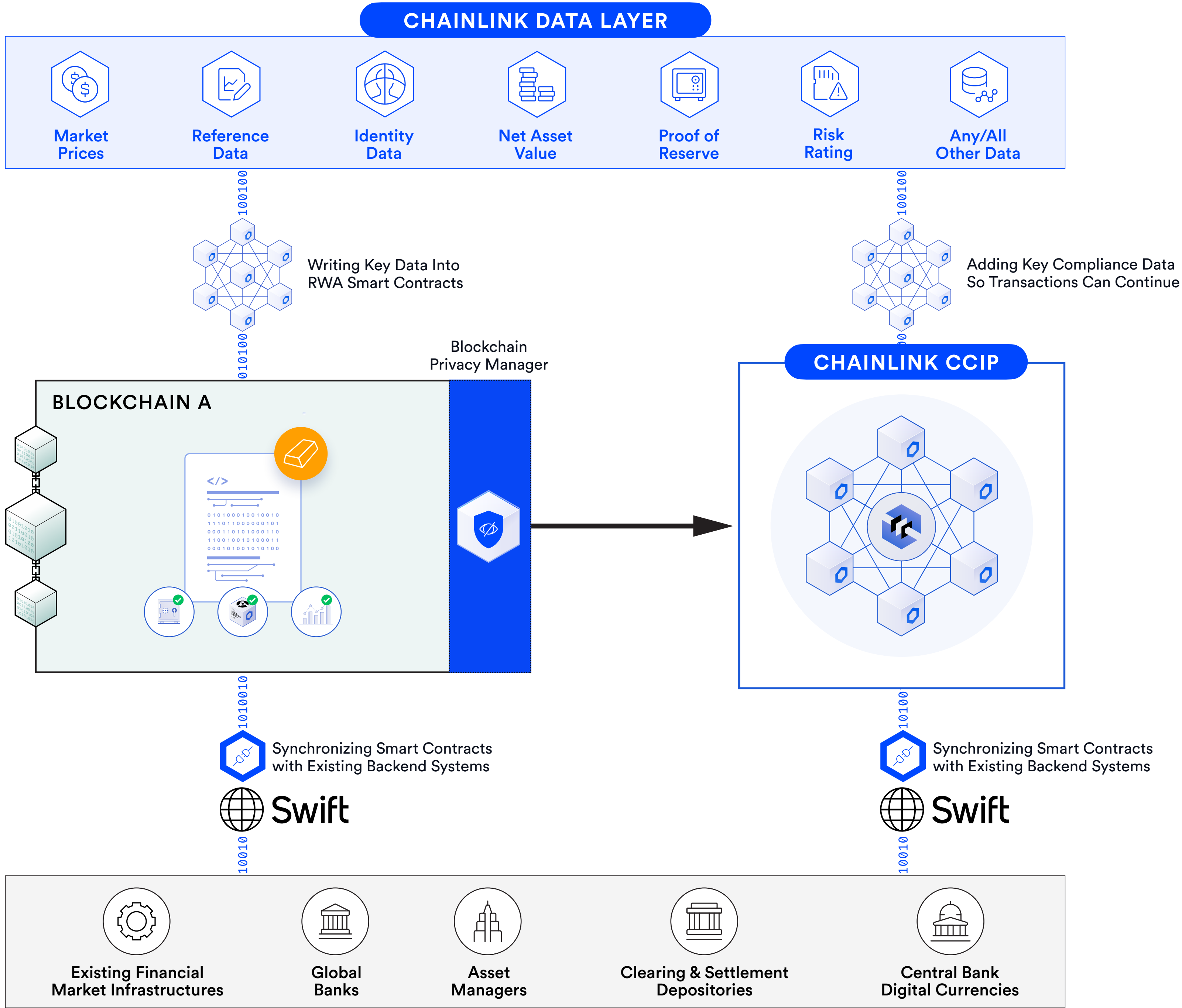
5:10–6:10PM

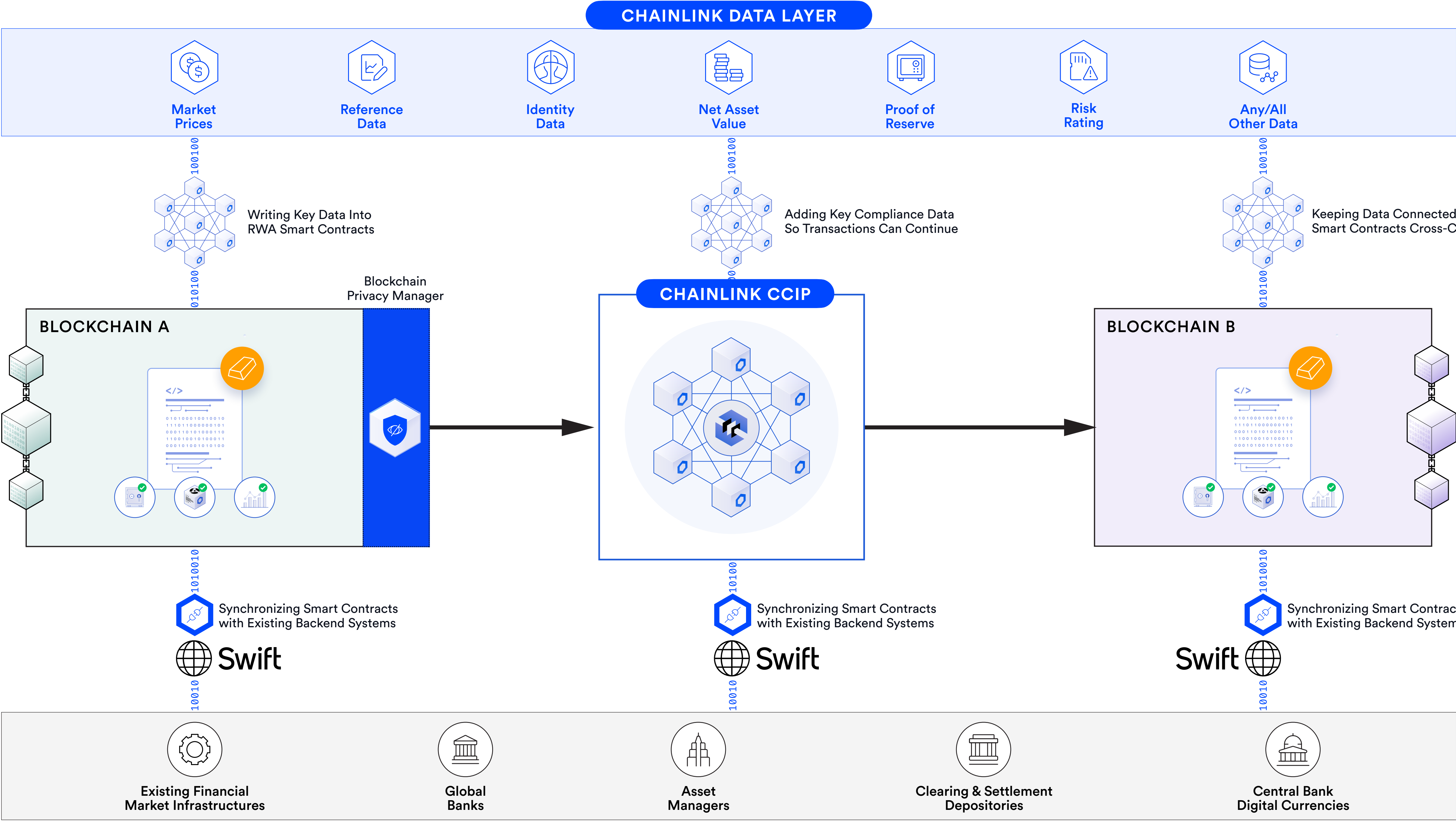


Anurag Soin

Product Lead Digital Asset Services, ANZ Bank







DECO Sandbox

Experience the power of zero-knowledge proofs and privacy-preserving data verification for onchain finance by leveraging pre-configured use cases or creating your own.

[Start exploring](#)

Optimize User Onboarding and Streamline Operations

Test DECO's streamlined data verification



Strengthen Compliance Without Data Exposure

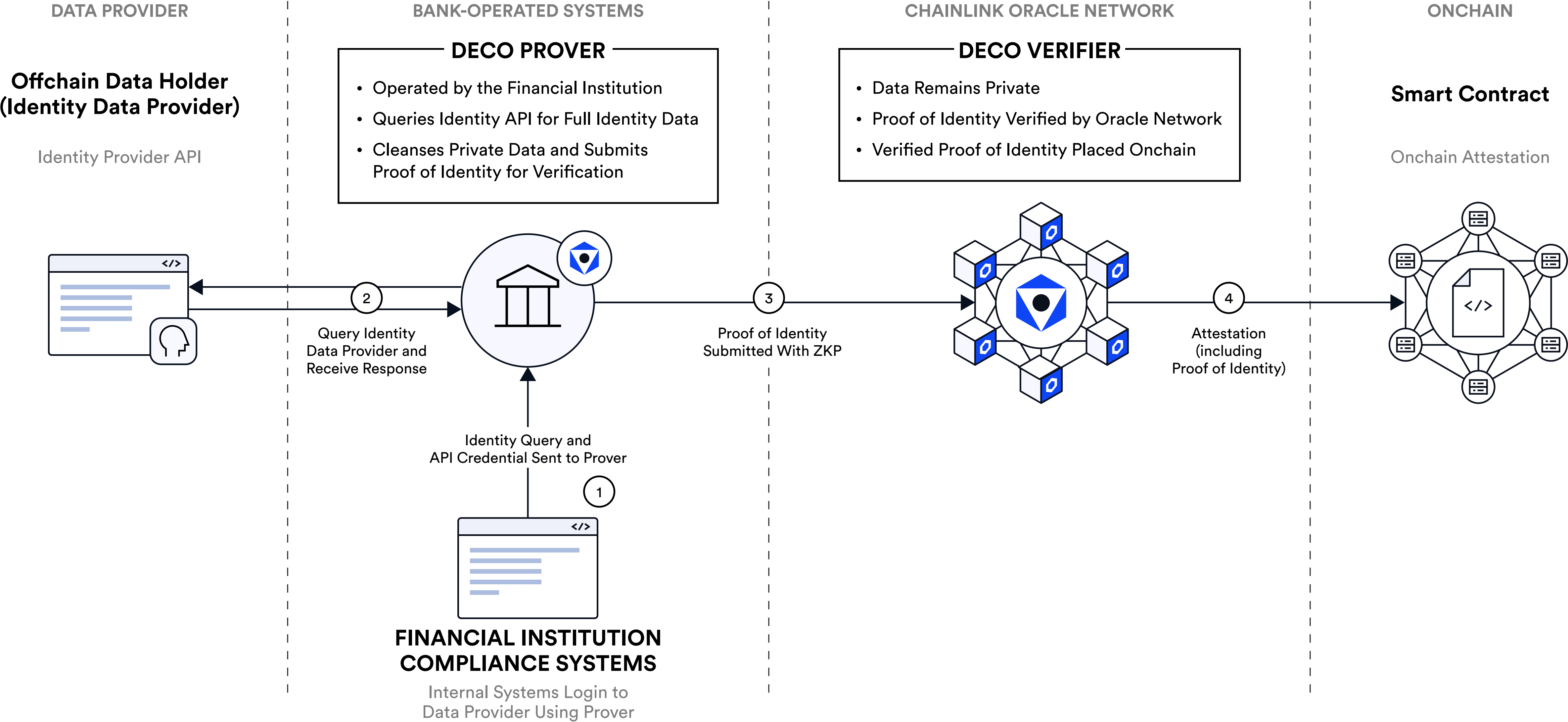
Explore how DECO's privacy-preserving



Drive Privacy Innovation in Onchain Finance

Test how DECO's oracles and zero-

Proof of Identity Onchain With Full Data Privacy



[← Identity check](#)[Overview](#)[HTTPS Requests](#)[Assertions on Private Fields](#)[Template Variables](#)[Runs](#)[Advanced](#)[Public Fields](#)[Assertions on Public Fields](#)[Configuration Editor](#)[Settings](#)

HTTPS Requests

DECO performs HTTPS requests during proof generation. Here, you can configure each request's URL, headers and body. Currently only JSON-encoded responses are supported!

1. GET https://withpersona.co...

DuplicateAdd request

Method

URL

GET

Fetch

Method

DECO will call this URL.

Request Headers

Request Body

Response Headers

Response Body

```
1 {
2   "data": [
3     {
4       "type": "inquiry",
5       "id": "inq_RedZVVwtmfZYMWESP64H15BYK2eX",
6       "attributes": {
7         "status": "completed",
8         "reference-id": null,
9         "note": null,
10        "behaviors": {
11          "request-spoof-attempts": 0,
12          "user-agent-spoof-attempts": 0,
13          "distraction-events": 5,
14          "hesitation-baseline": 79883,
15          "hesitation-count": 6,
16          "hesitation-time": 60066,
17          "shortcut-copies": 0,
18          "shortcut-pastes": 0,
```

LEARN MORE

DECO Sandbox

// Main Stage

Tomorrow

10:20–10:50AM



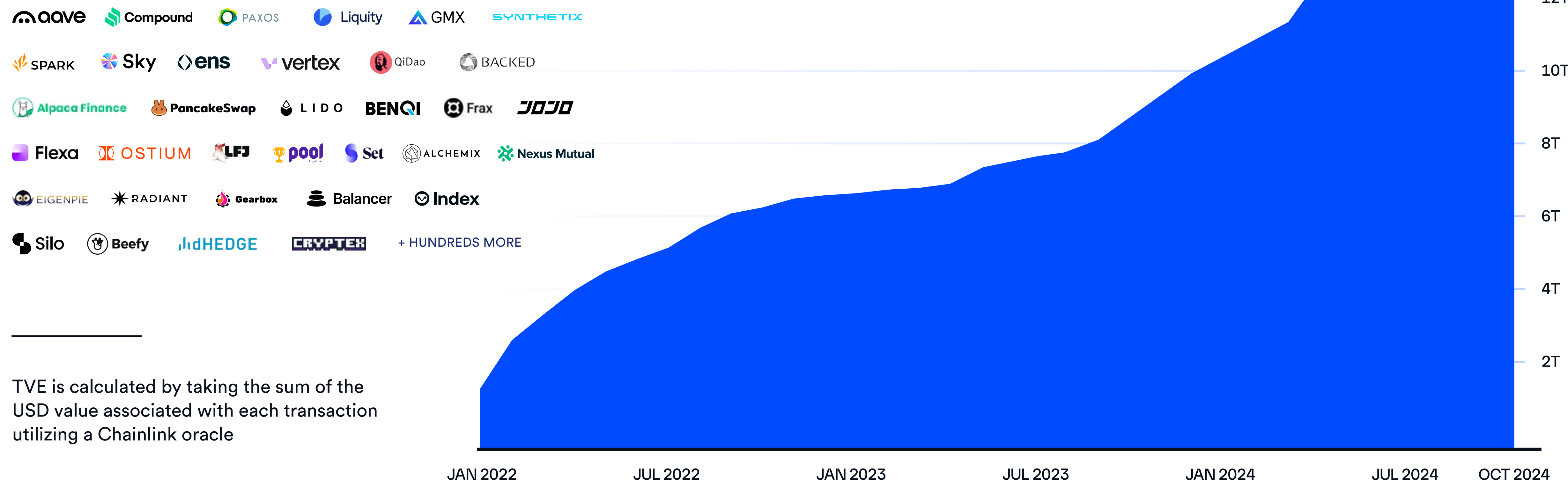
Lorenz Breidenbach

Head of R&D, Chainlink Labs

TRANSACTION VALUE ENABLED (TVE)

\$16.6+ Trillion

Cumulative Transaction Value Enabled



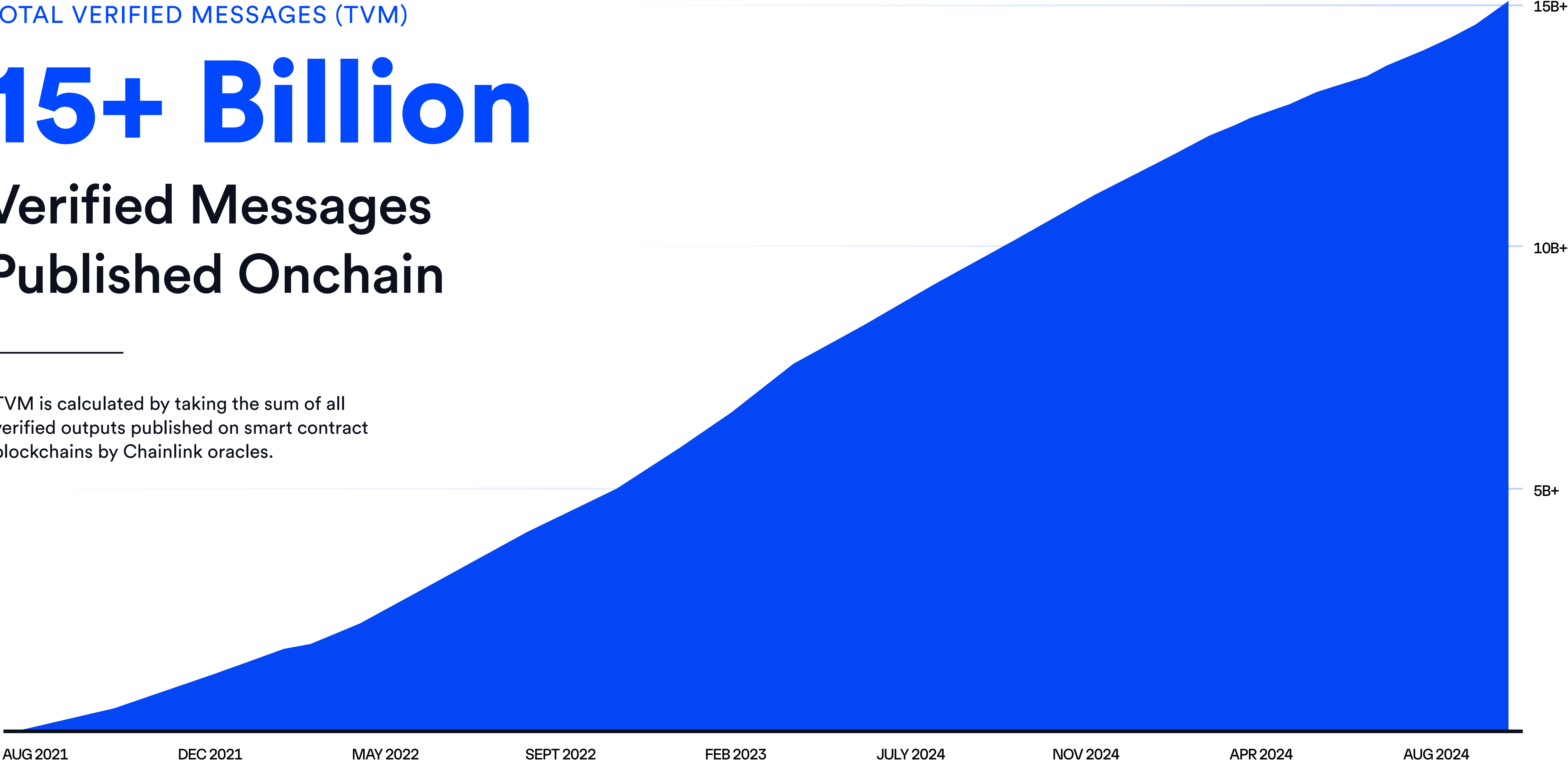
TVE is calculated by taking the sum of the USD value associated with each transaction utilizing a Chainlink oracle

TOTAL VERIFIED MESSAGES (TVM)

15+ Billion

Verified Messages Published Onchain

TVM is calculated by taking the sum of all
verified outputs published on smart contract
blockchains by Chainlink oracles.



Data Adoption Remains High & PoR Is Accelerating Rapidly



Lido



AAVE



Spark



Synfutures



Compound



PancakeSwap



Eigenpie



Balancer



Paxos



FRAX



BenQi



Liquity



ENS



Beefy



Synthetix



Nexus Mutual



LFJ



Flexa



Gearbox



dHedge



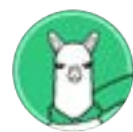
Silo



Index



Set



Alpaca



Alchemix



Radiant



Backed



QiDao



Pool Together



Cryptex

+ HUNDREDS MORE



Lombard



Avalanche



M^0



MatrixDock



Swell



Backed



PumpBTC



Lorenzo



DLC.link



Adapt3r



Usual



Zoth



ZKLend



Bedrock



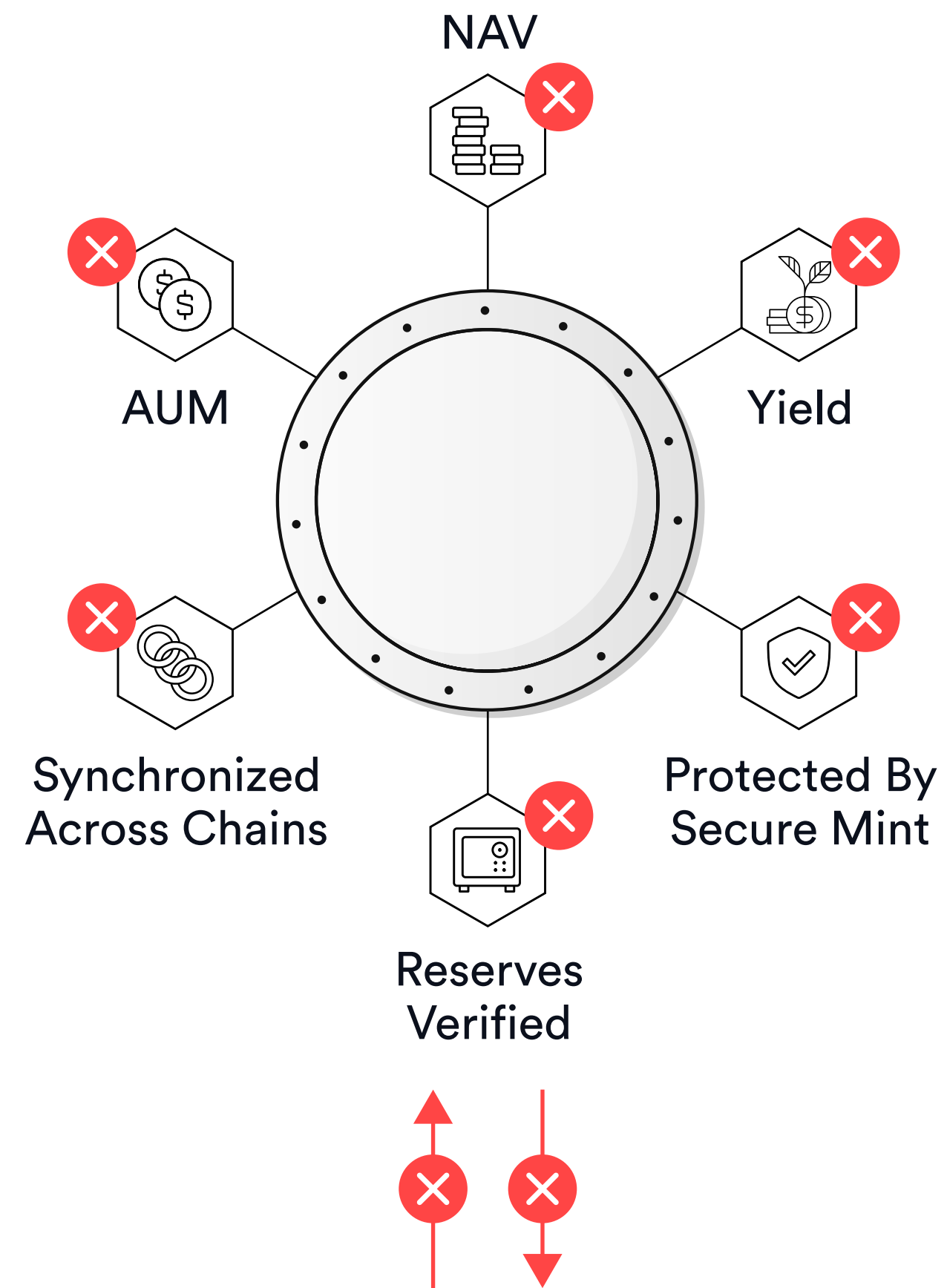
Credora



ION Digital

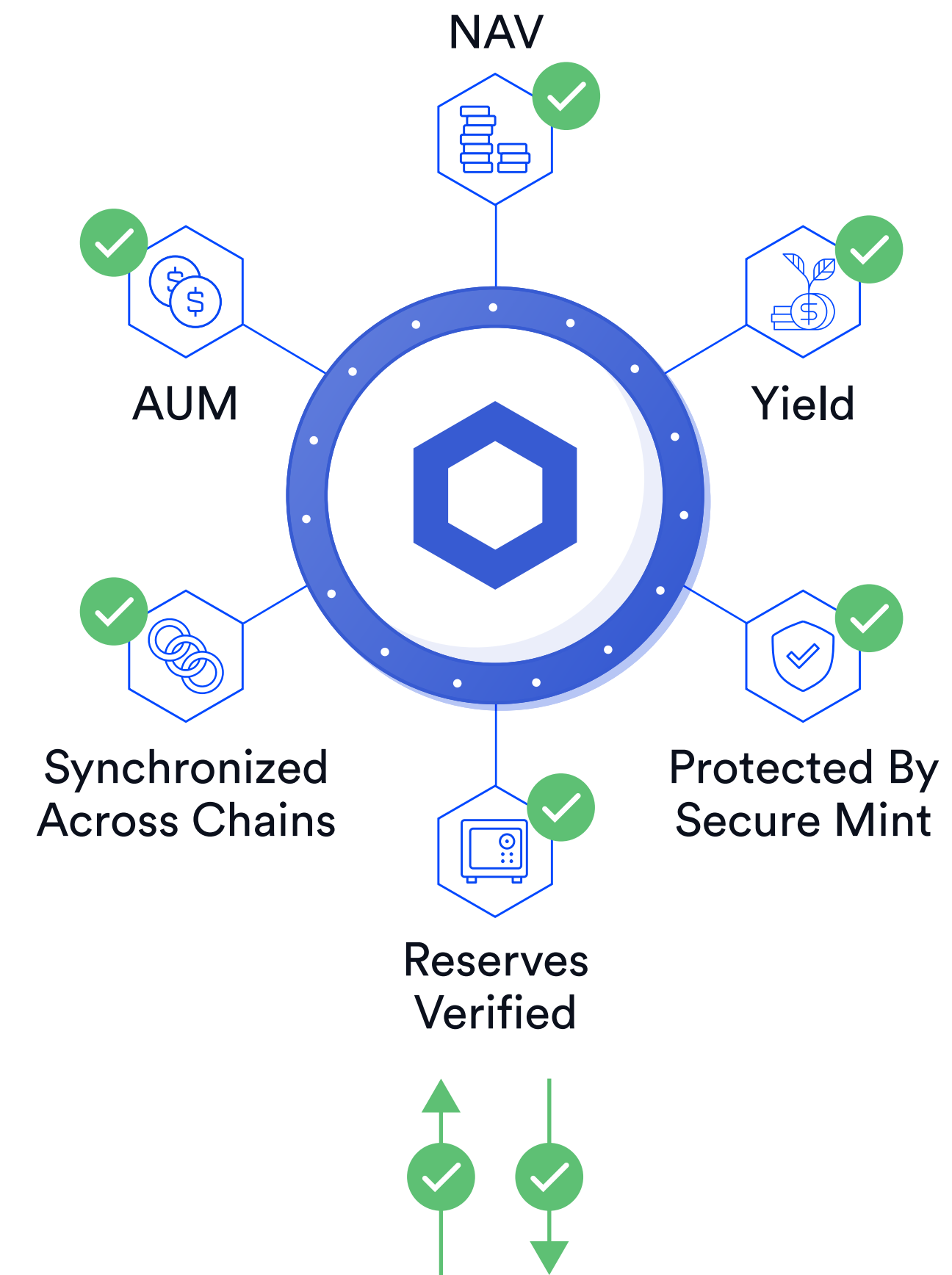
SmartData Enriches Tokens to Create SmartAssets

Disconnected Tokenized Asset



Asset Managers Treasuries

SmartData-Enriched SmartAsset



Asset Managers/Treasuries

LEARN MORE

The Foundation for Onchain Finance

// Main Stage

Up Next

5:10–6:10PM



Ghando

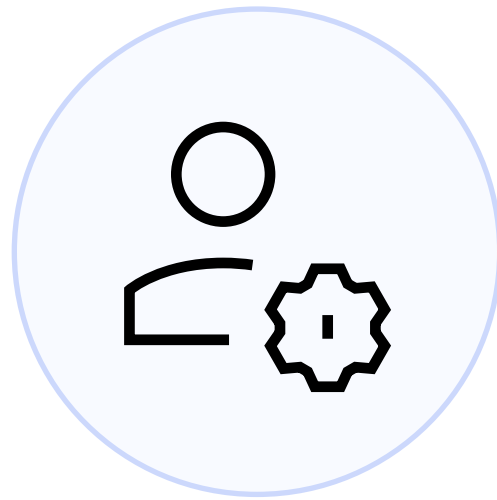
VP Product, Chainlink Labs



2024 HONG KONG

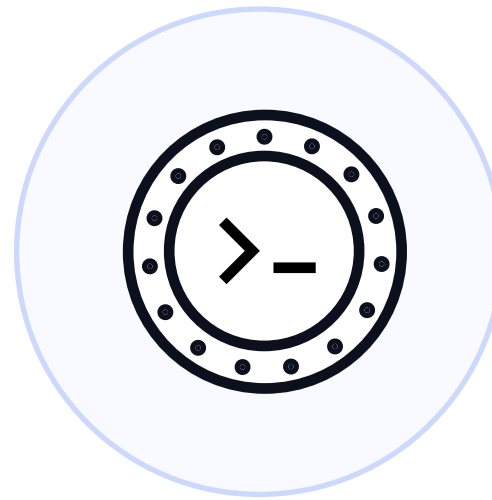


Launching Important New Capabilities for CCIP



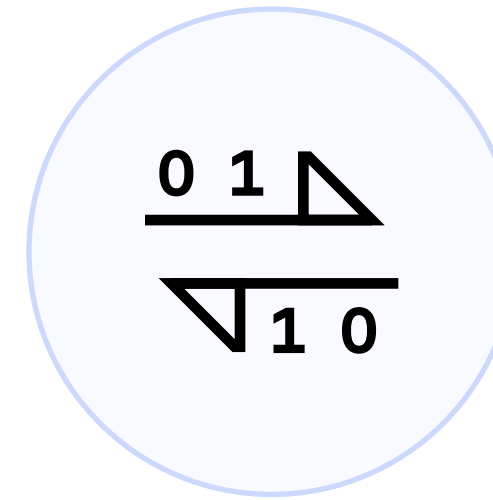
Self-Serve
Deployments

NEW



Token Developer
Attestation

PRIVATE BETA



Programmable
Transfers



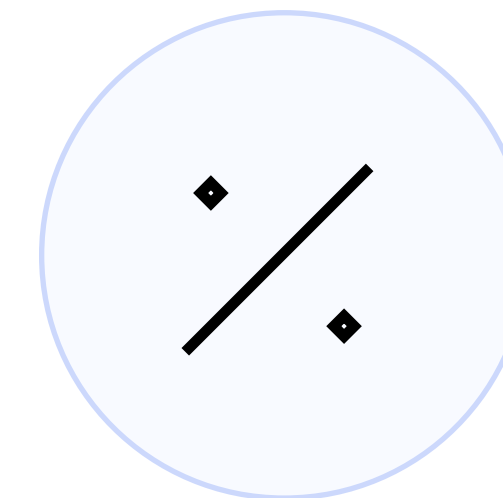
Developer Control
And Flexibility



Defense-in-Depth
Security

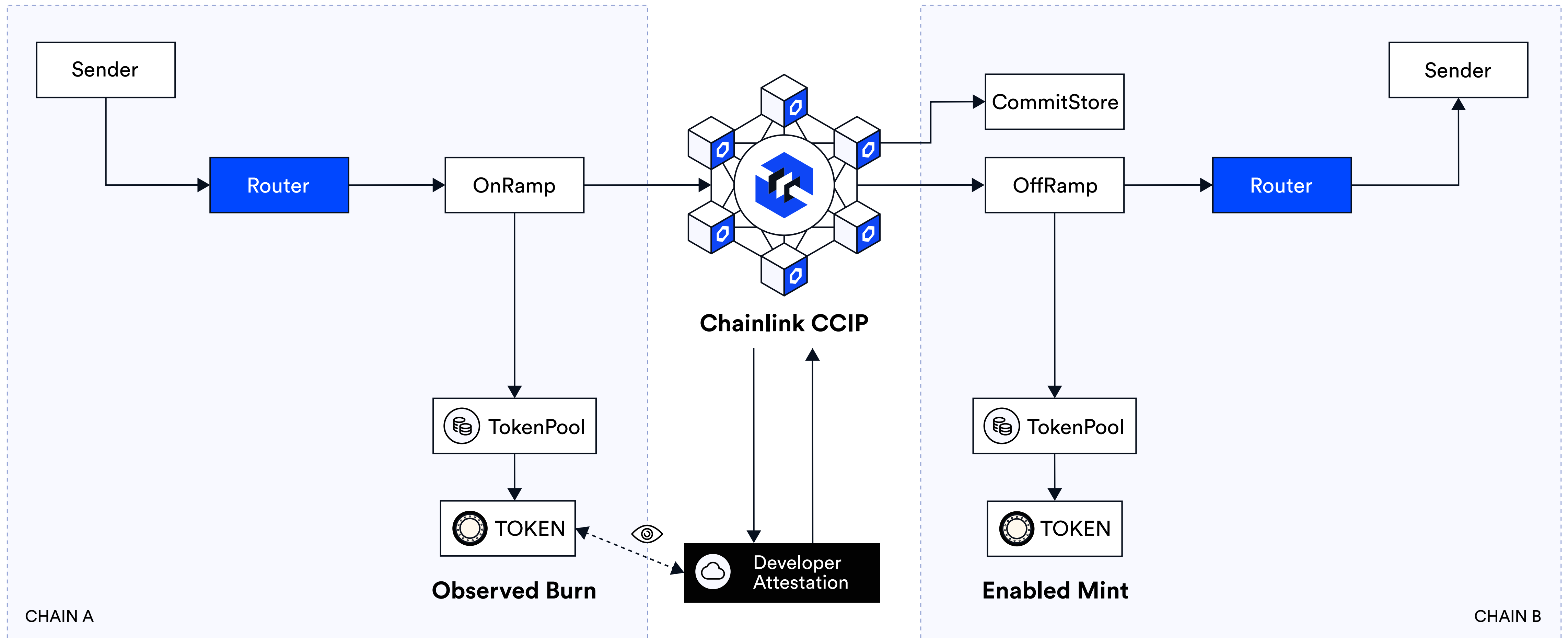


No Liquidity Pools
Required

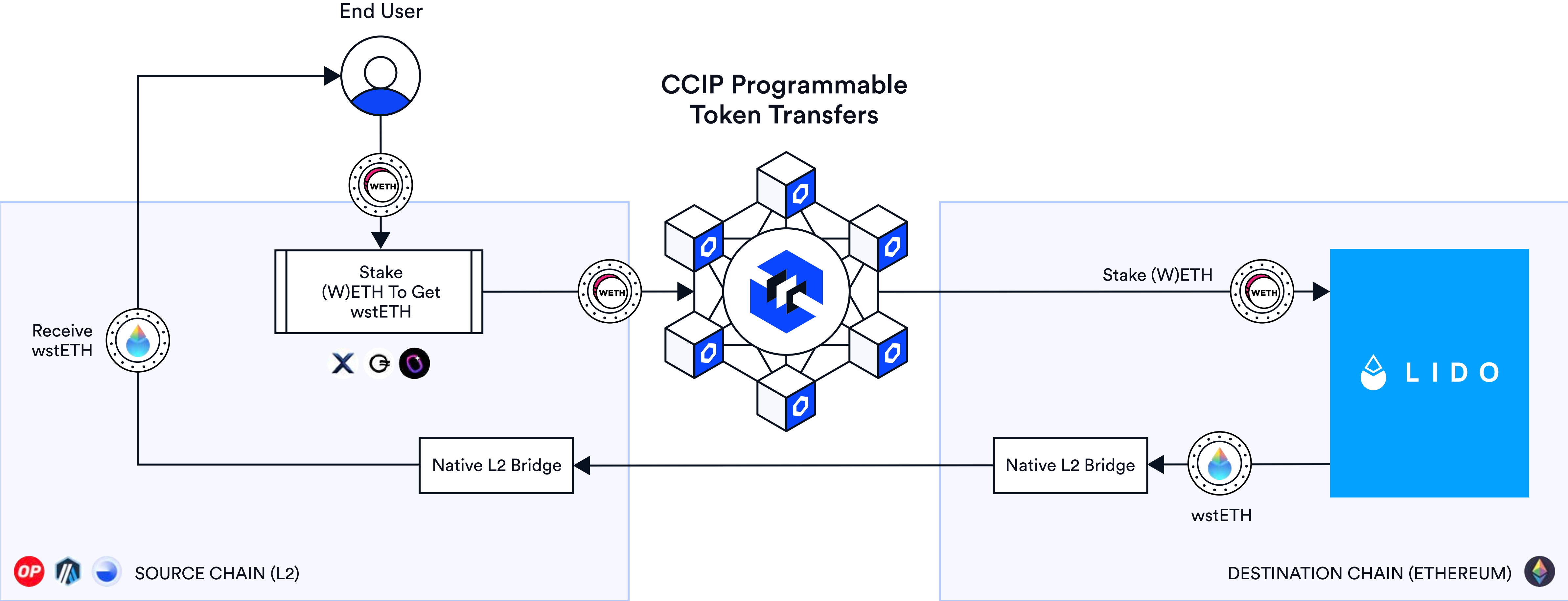


Zero-Slippage
Transfers

Attestations Provide Additional Security for Developers



One-Step Staking From Arbitrum, Base, and Optimism



CCIP Security and Programmability Accelerating Adoption

Lido and Other Major LST Protocols
Adopt CCIP for Direct Staking



Lido



EigenPie



Frax



StakeStone



Origin



Diva



Gravita

10 Chains Choose CCIP as Their Canonical Bridge



\$2bn valuation



B² NETWORK



Soneium



\$400m TVL



WEMIX



Kroma



Ronin

2M DAU



METIS



CELO

Major Assets Becoming CCT Enabled



Aave GHO
(GHO)



Solv Protocol
(SOLVBTC)



Lombard Staked BTC
(LBTC)



Stader ETHx
(ETHX)



World Mobile Token
(WMTX)



Origin Ether
(OETH)



Mountain Protocol
(USDM)



Matrixport
(STBT)



Tensorplex
Staked TAO (stTAO)



Bedrock
(UNIBTC)



Lorenzo stBTC
(STBTC)



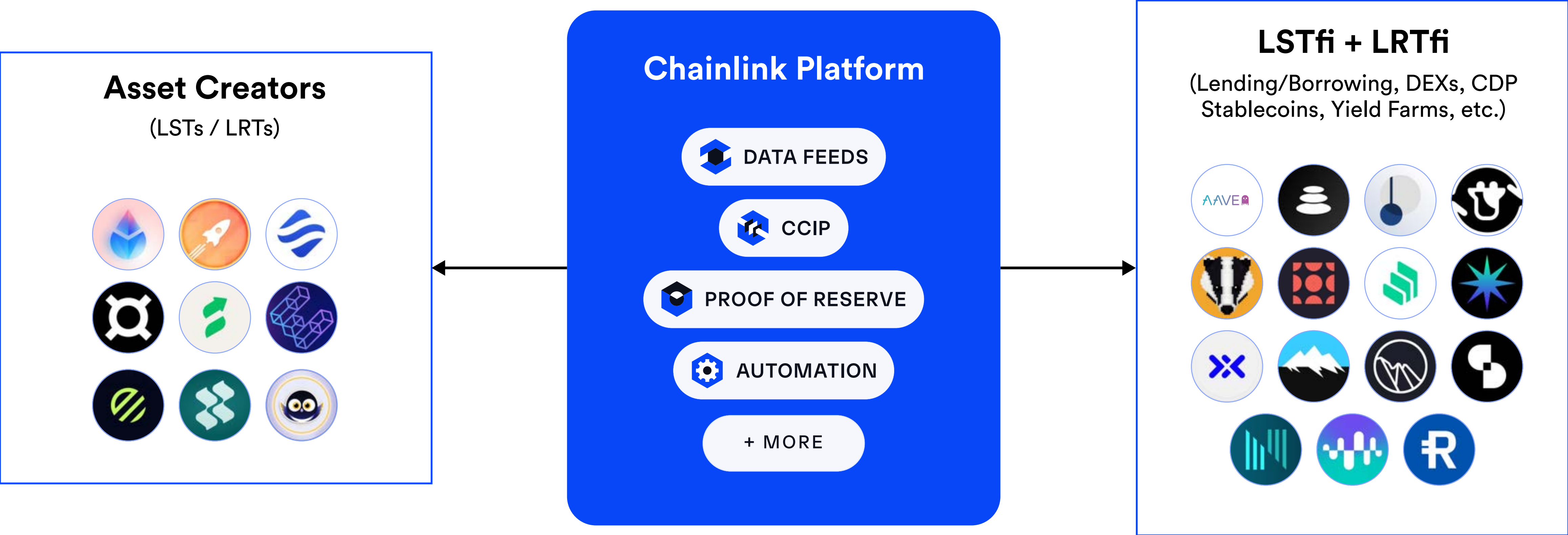
pumpBTC
(PUMPBTC)



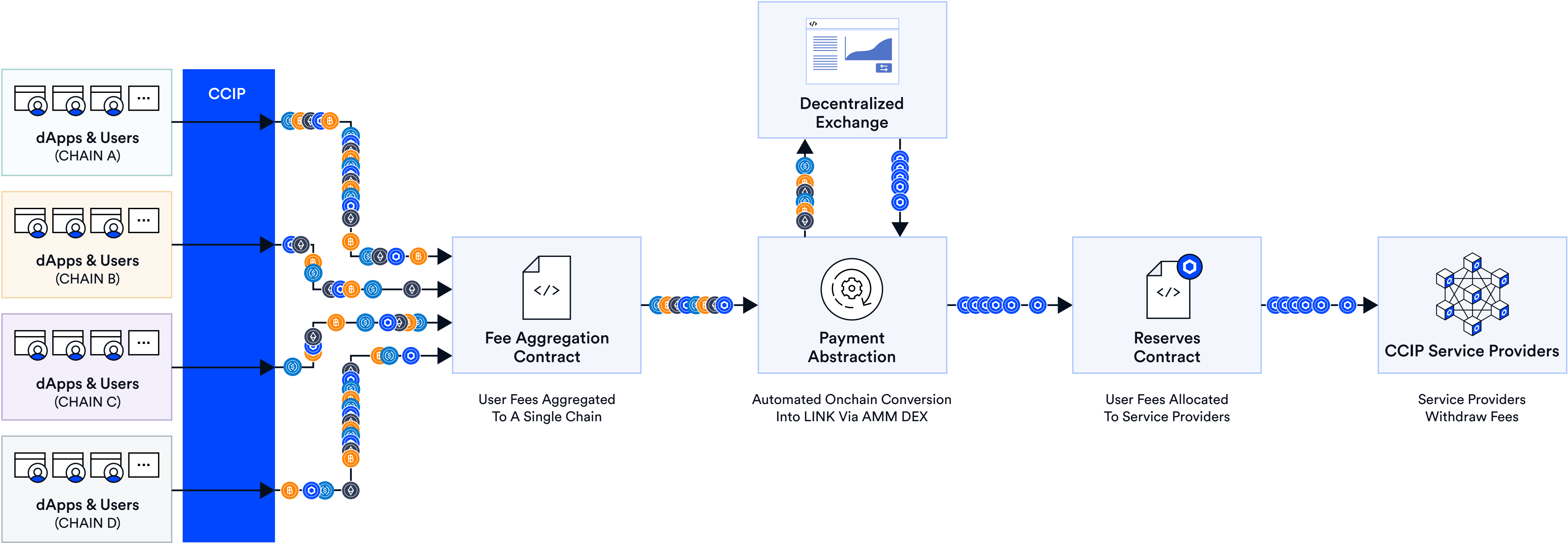
Turbo
(TURBO)

+ MANY MORE

Chainlink: The Composability Layer for LSTfi and LRTfi



Chainlink CCIP v1.6 Cross-Chain Billing



*SIMPLIFIED DESIGN FOR ILLUSTRATIVE PURPOSES

LEARN MORE

Catalyzing Blockchain Interoperability:

Chainlink CCIP's Latest Tools and Innovations

// Spotlight Stage

Tomorrow

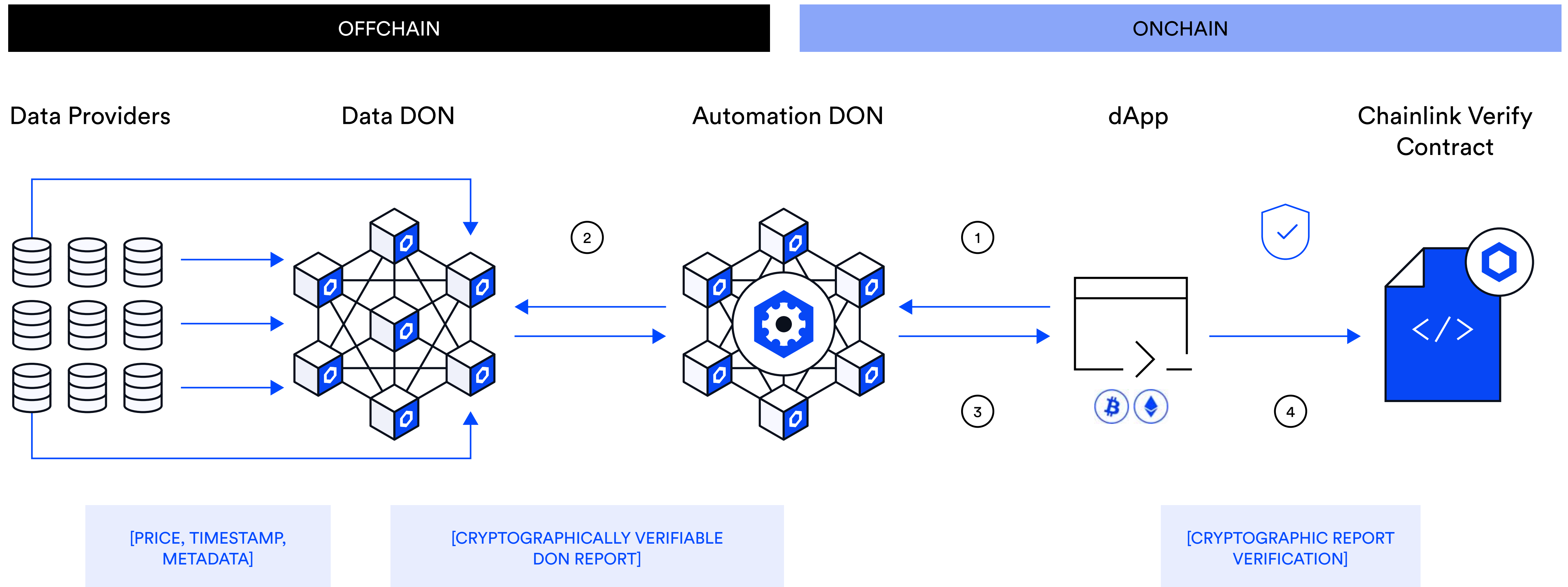
2:50–3:10PM



Rahul Shah

Product Lead, Chainlink Labs

Low-Latency Speeds and Transaction Automation



Data Streams Adoption Is Growing Due to Key Features



JOJO



Holdstation



KiloEx



PancakeSwap



Cryptex



Vertex



Ostium



Zaros



Drake.exchange



Dexodus



Umami

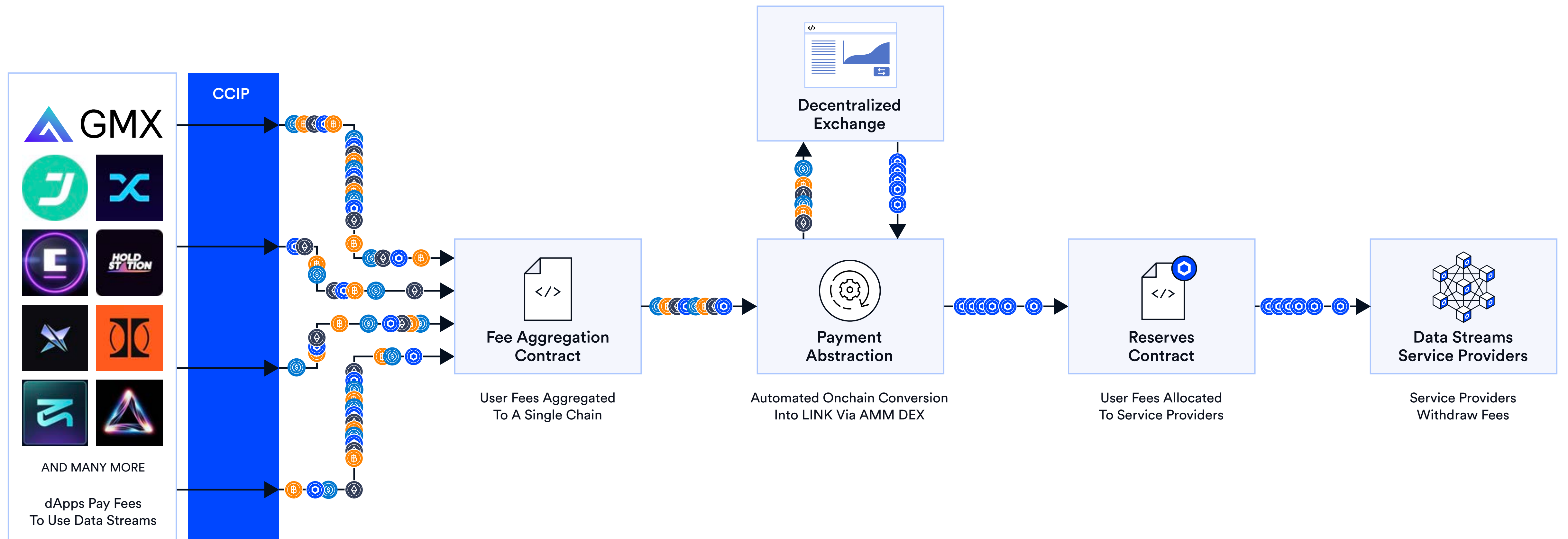


Xyro



YFX

Chainlink Data Streams Unified Billing



*SIMPLIFIED DESIGN FOR ILLUSTRATIVE PURPOSES

LEARN MORE

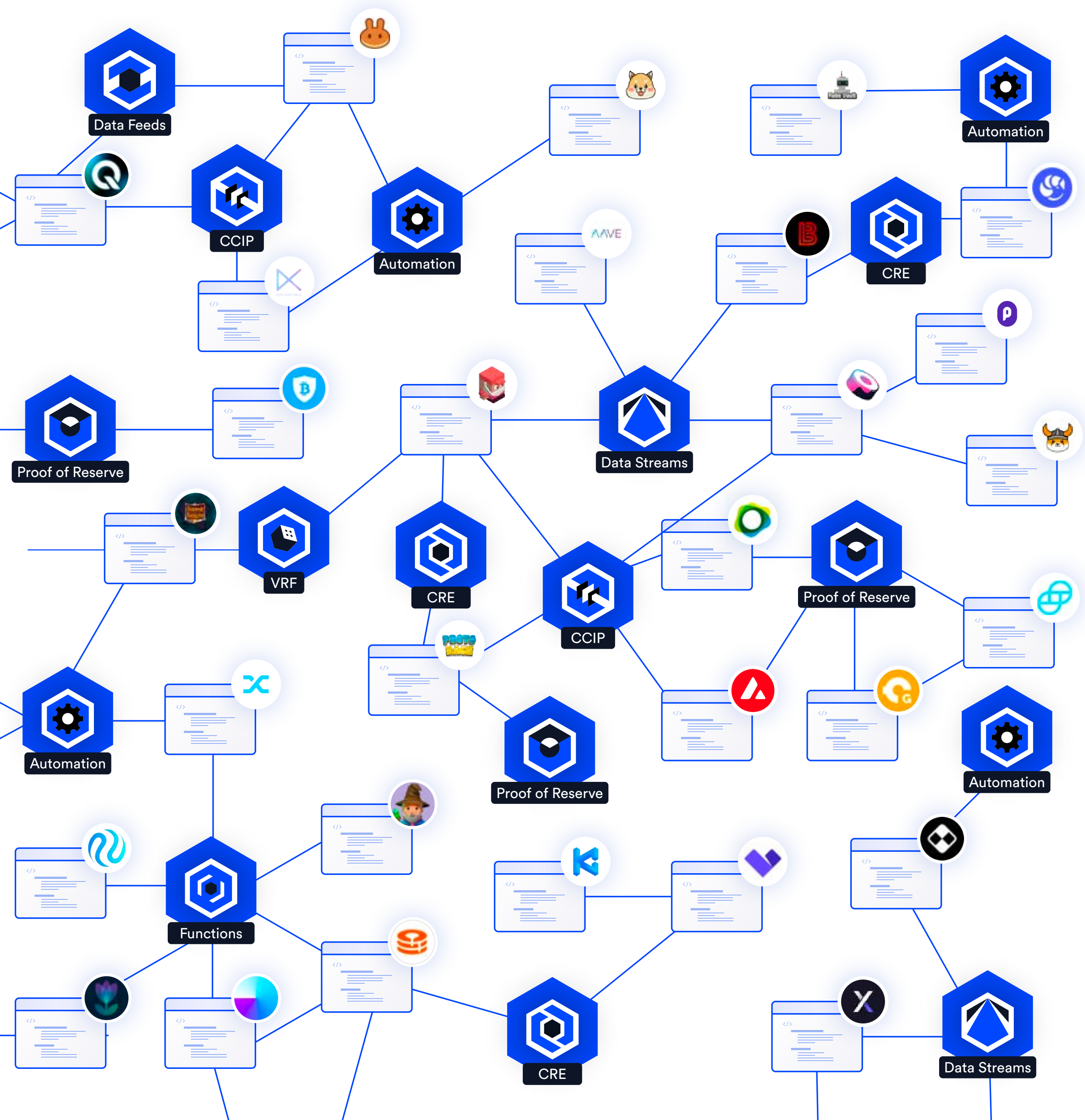
Data Streams: Any Data, Any Blockchain, Any Scale

// Spotlight Stage
Tomorrow
3:10–3:30PM

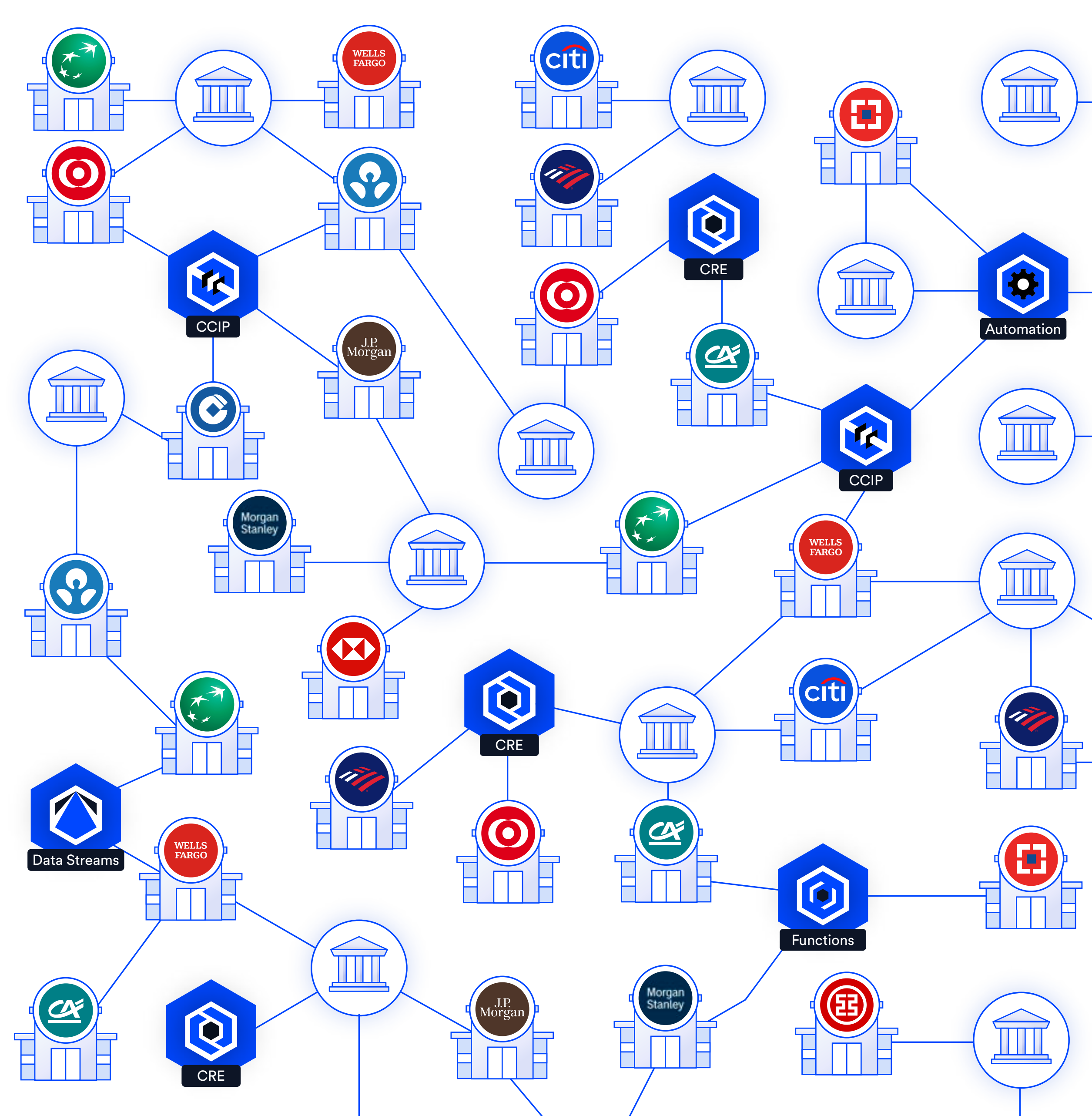


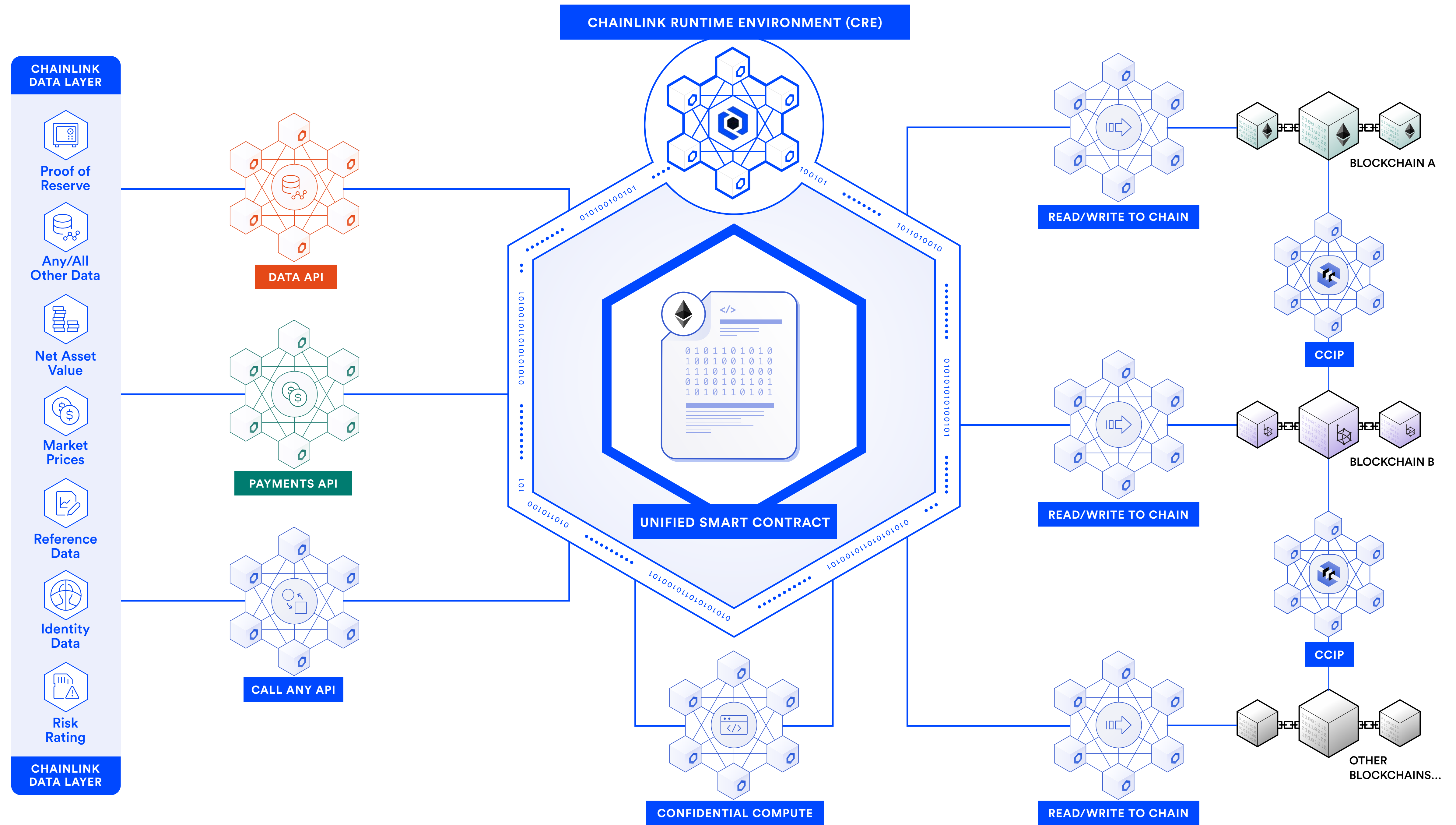
Raoul Schipper
Strategic Account Manager, Chainlink Labs

Web3 on Chainlink Standards

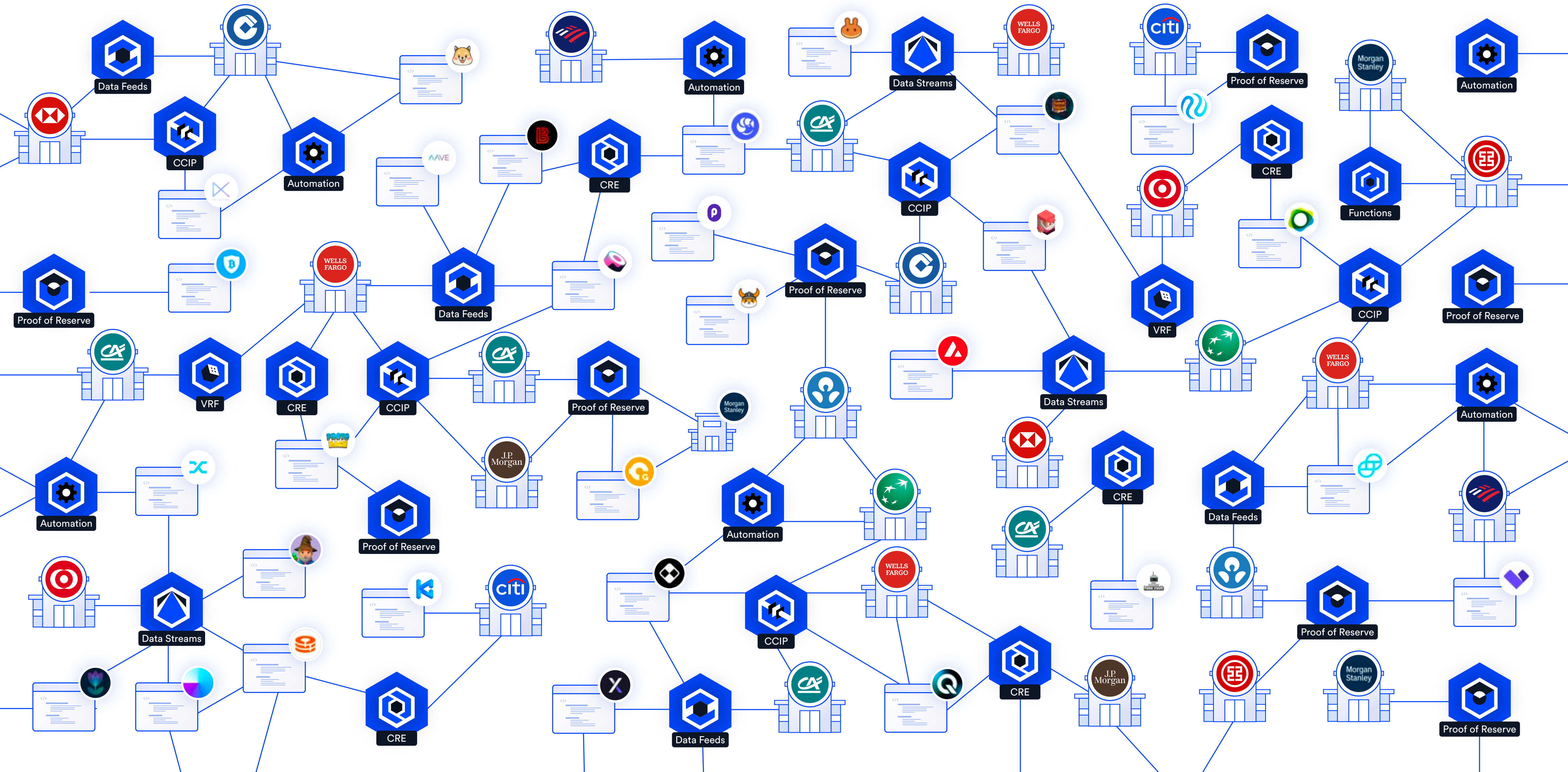


TradFi on Chainlink Standards





Merging These Internets of Contracts Using One Set of Standards Is Our Goal



CCIP and CRE Create a Global Internet of Contracts





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.

