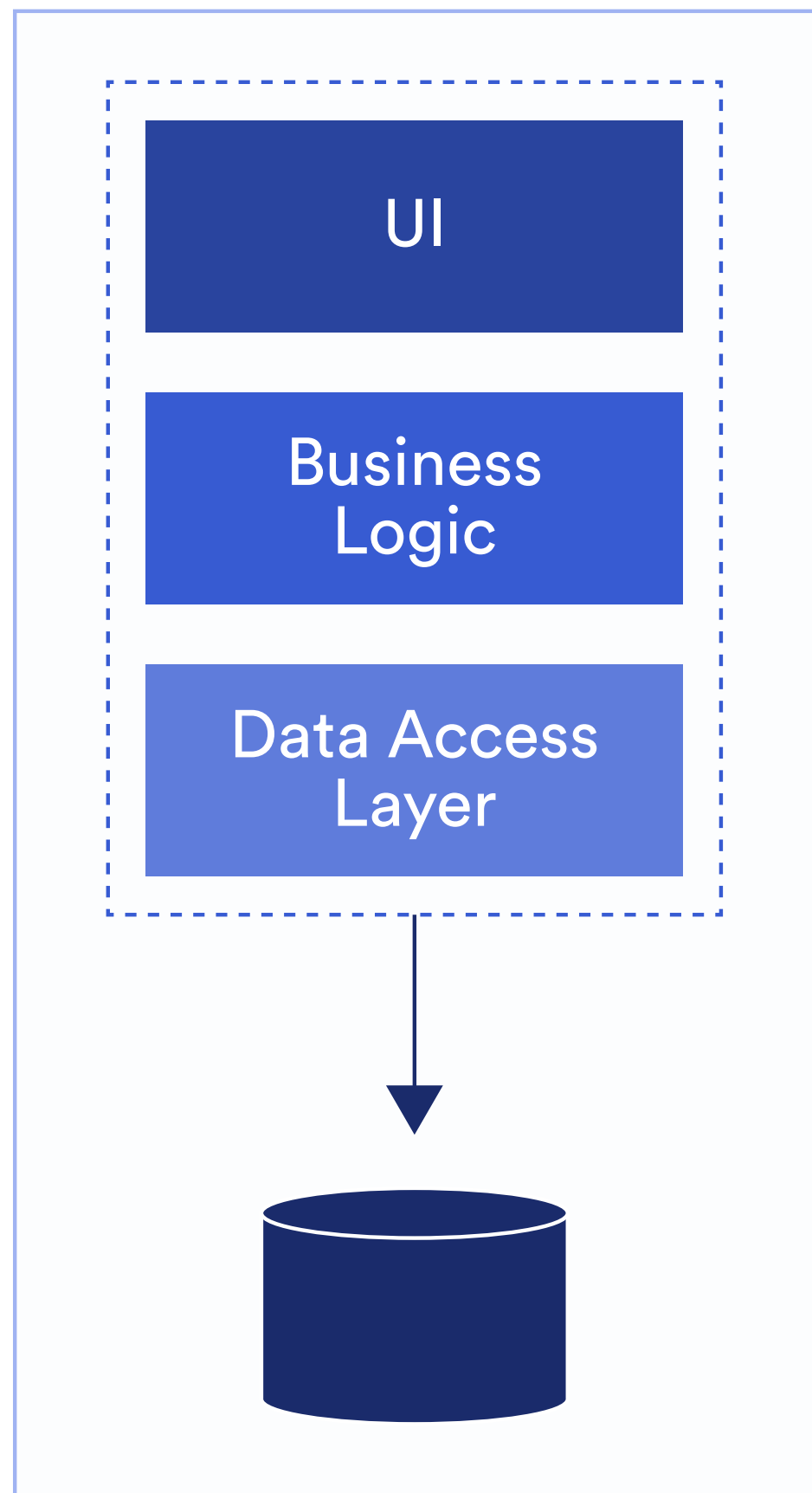




Growing DeFi with New Data and Collateral Types

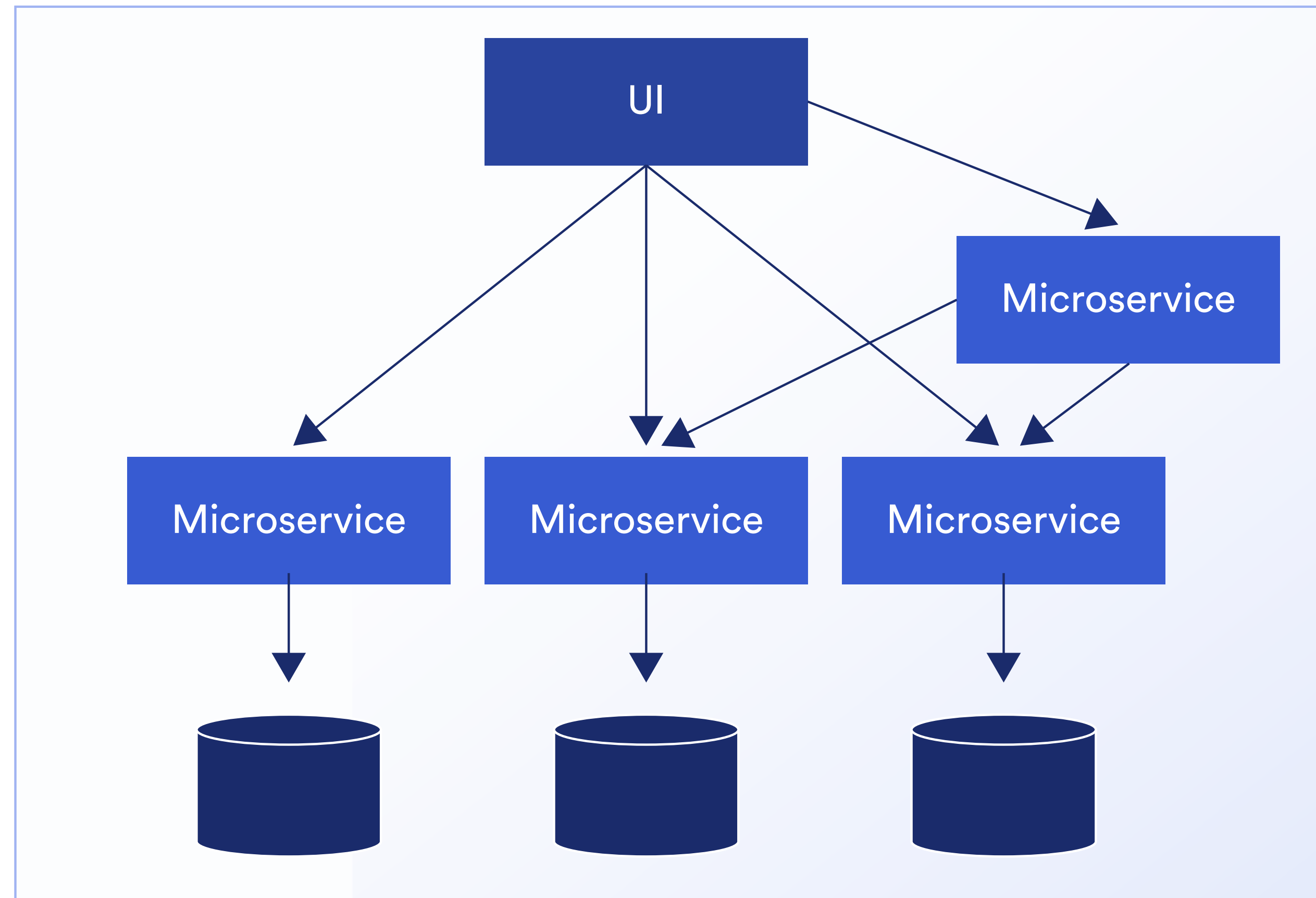
The Shift Towards a Services Oriented Architecture

Monolithic

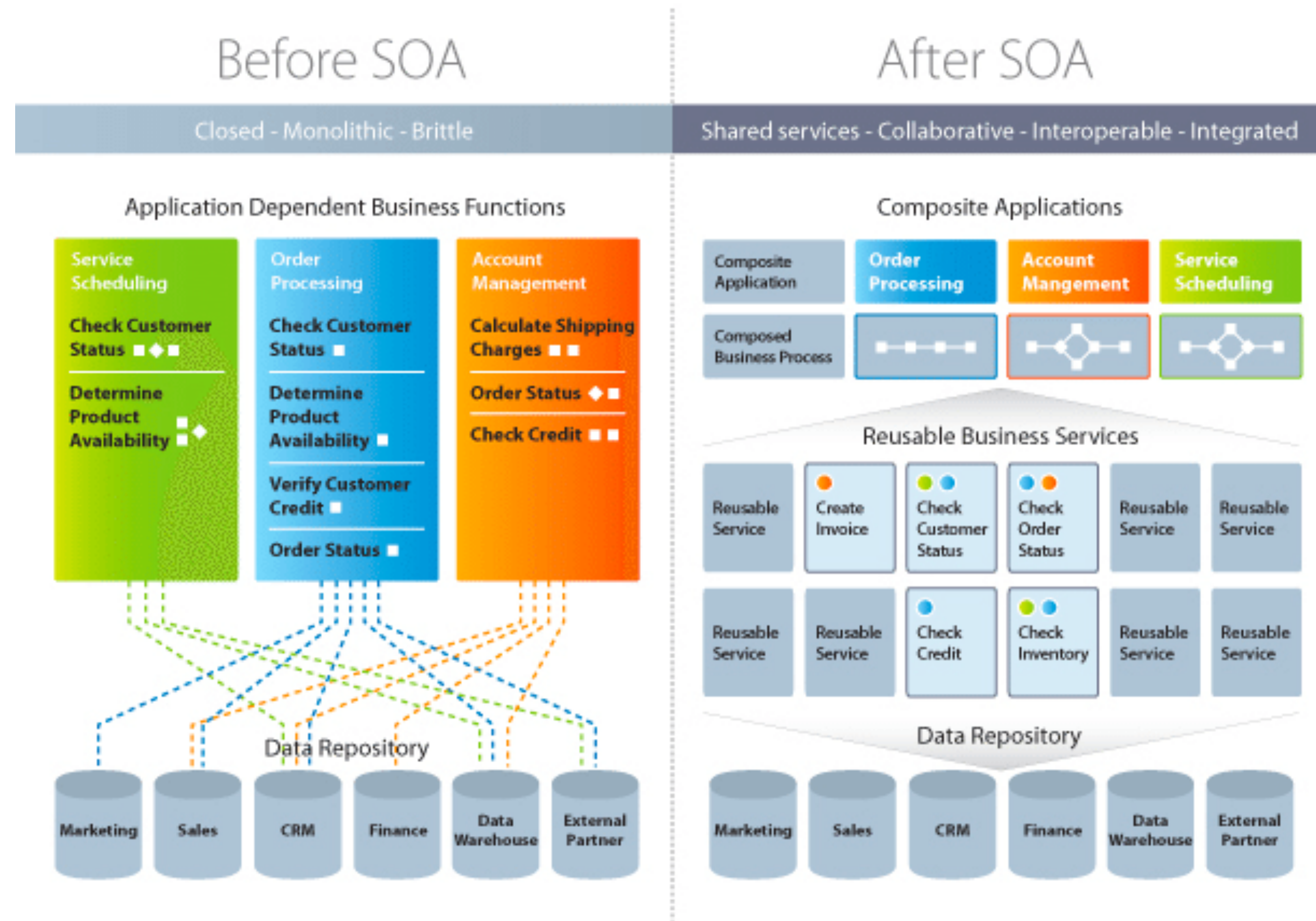


VS.

Microservices



The Shift Towards a Services Oriented Architecture (SOA)



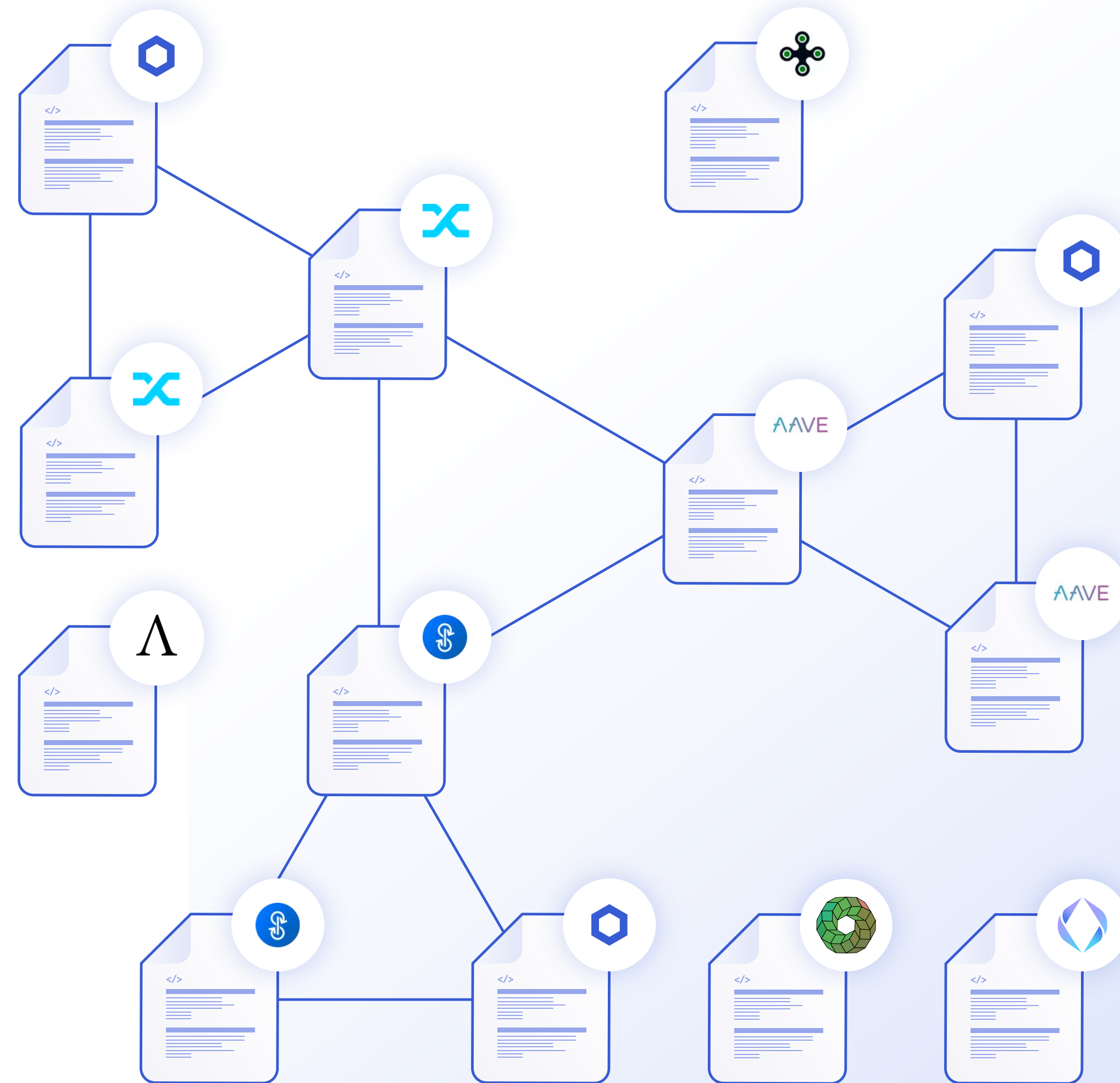
- Services interact more securely due to separation of concerns
- Reusability of services saves time and allows sharing across teams
- Rapid iteration by combining services and adding new ones

DeFi Composability = Working SOA for Smart Contracts

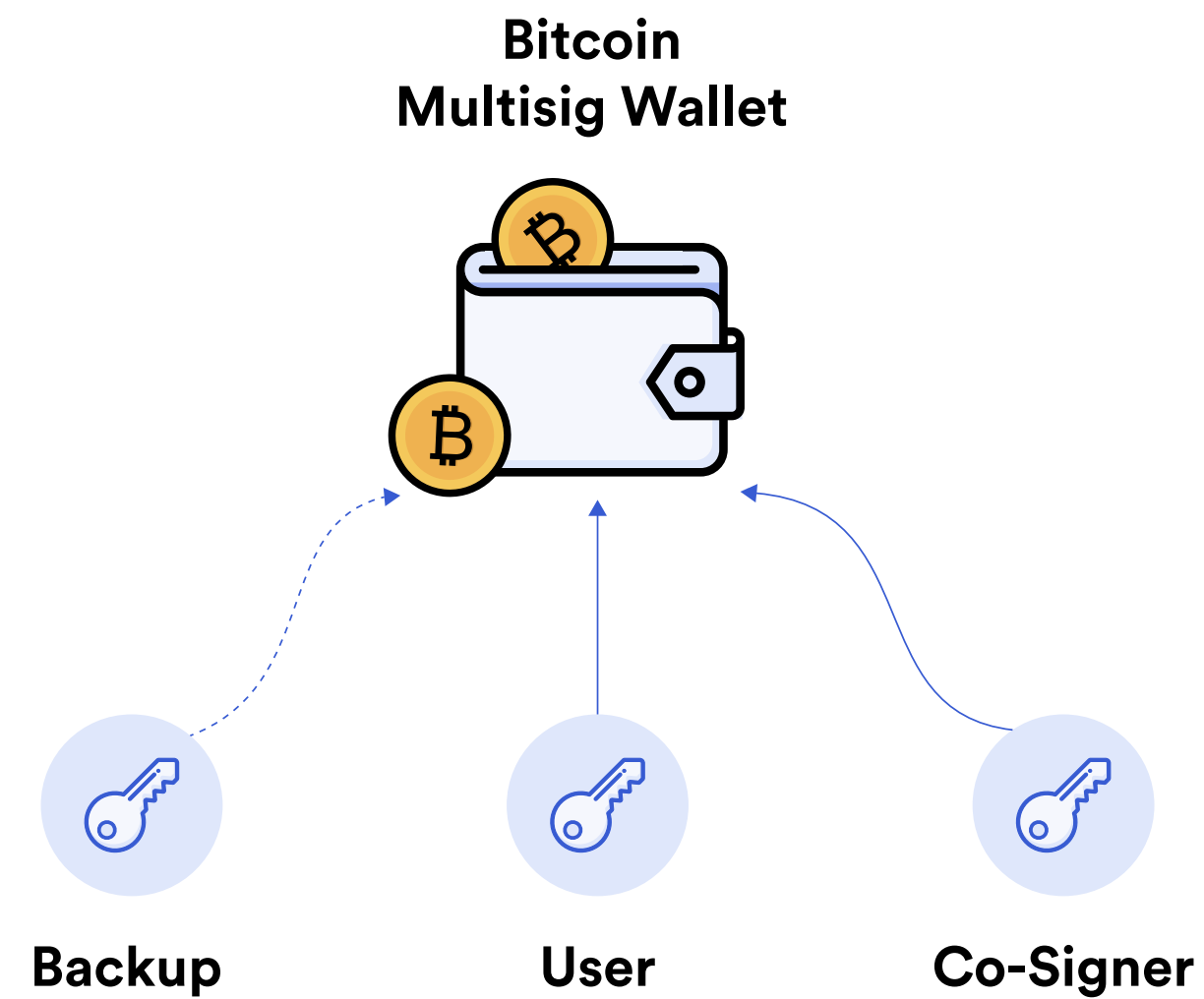
Monolithic Smart Contracts (The DAO)



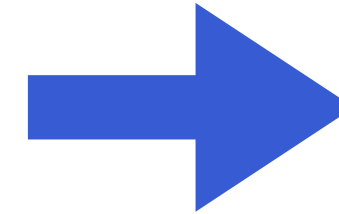
Composable DeFi Smart Contracts (Synthetix, AAVE, Yearn, etc...)



The Initial Leap Forward for Smart Contracts



**Bitcoin Multi-signature as
“Programmable Money”**

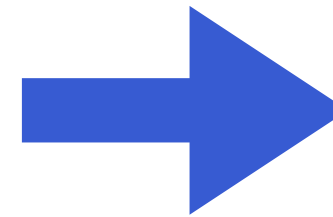


**Protocol Smart Contracts =
Smart Contracts 1.0**

The Scriptable Leap Forward for Smart Contracts



**Protocol Smart Contracts =
Smart Contracts 1.0**

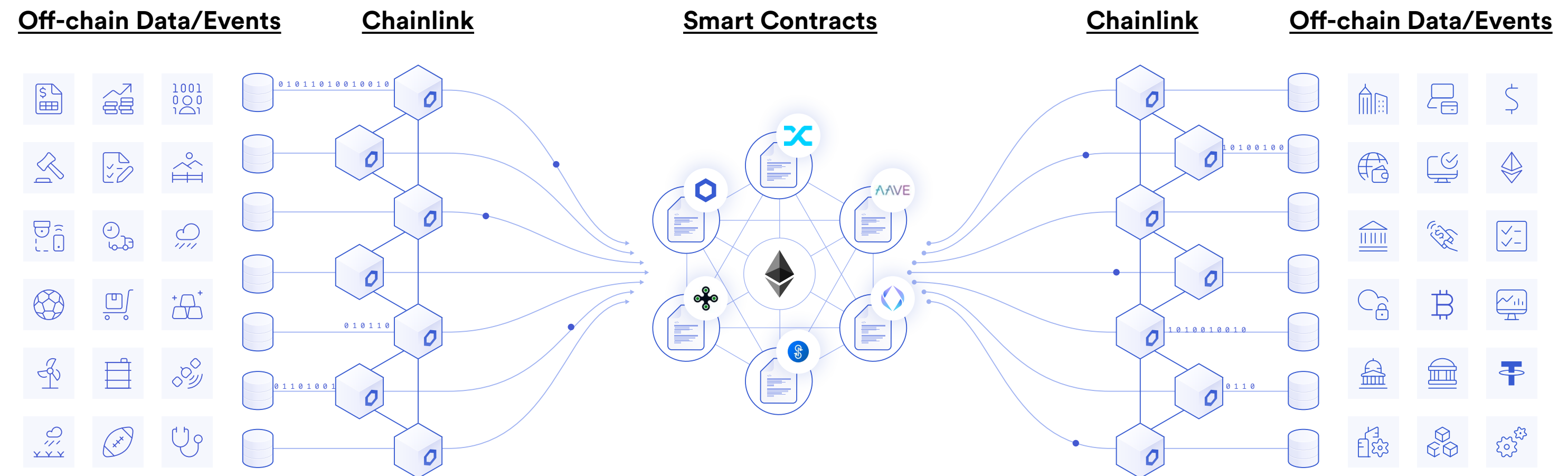
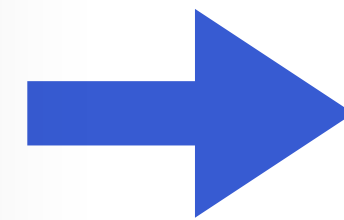


```
1 pragma solidity ^0.4.16;
2
3 contract MyToken {
4     // This creates an array with all balances
5     mapping (address => uint256) public balanceOf;
6
7     // Initializes contract with initial supply tokens to t
8     function MyToken (
9         uint256 initialSupply
10    ) payable {
11         balanceOf[msg.sender] = initialSupply;
12     }
13
14     // Send coins
15    function transfer(address _to, uint256 _value) payable
16        require(balanceOf[msg.sender] >= _value);
17        require(balanceOf[_to] + _value >= balanceOf[_to]);
18        balanceOf[msg.sender] -= _value;
19        balanceOf[_to] += _value;
20    }
```

**Scriptable Smart Contracts =
Tokenization/Smart Contracts 2.0**

The Connectivity Leap Forward for Smart Contracts

```
1 pragma solidity ^0.4.16;
2
3 contract MyToken {
4     // This creates an array with all balances
5     mapping (address => uint256) public balanceOf;
6
7     // Initializes contract with initial supply tokens to t
8     function MyToken (
9         uint256 initialSupply
10    ) payable {
11         balanceOf[msg.sender] = initialSupply;
12     }
13
14     // Send coins
15     function transfer(address _to, uint256 _value) payable
16     require(balanceOf[msg.sender] >= _value);
17     require(balanceOf[_to] + _value >= balanceOf[_to]);
18     balanceOf[msg.sender] -= _value;
19     balanceOf[_to] += _value;
20 }
```



**Scriptable Smart Contracts =
Tokenization/Smart Contracts 2.0**

**Externally Connected Smart Contracts =
All Other Dapps/Smart Contracts 3.0**

DeFi's Growth Is Driven by Dapps and Smart Contracts

Total Value Locked (USD) in DeFi

TVL (USD)



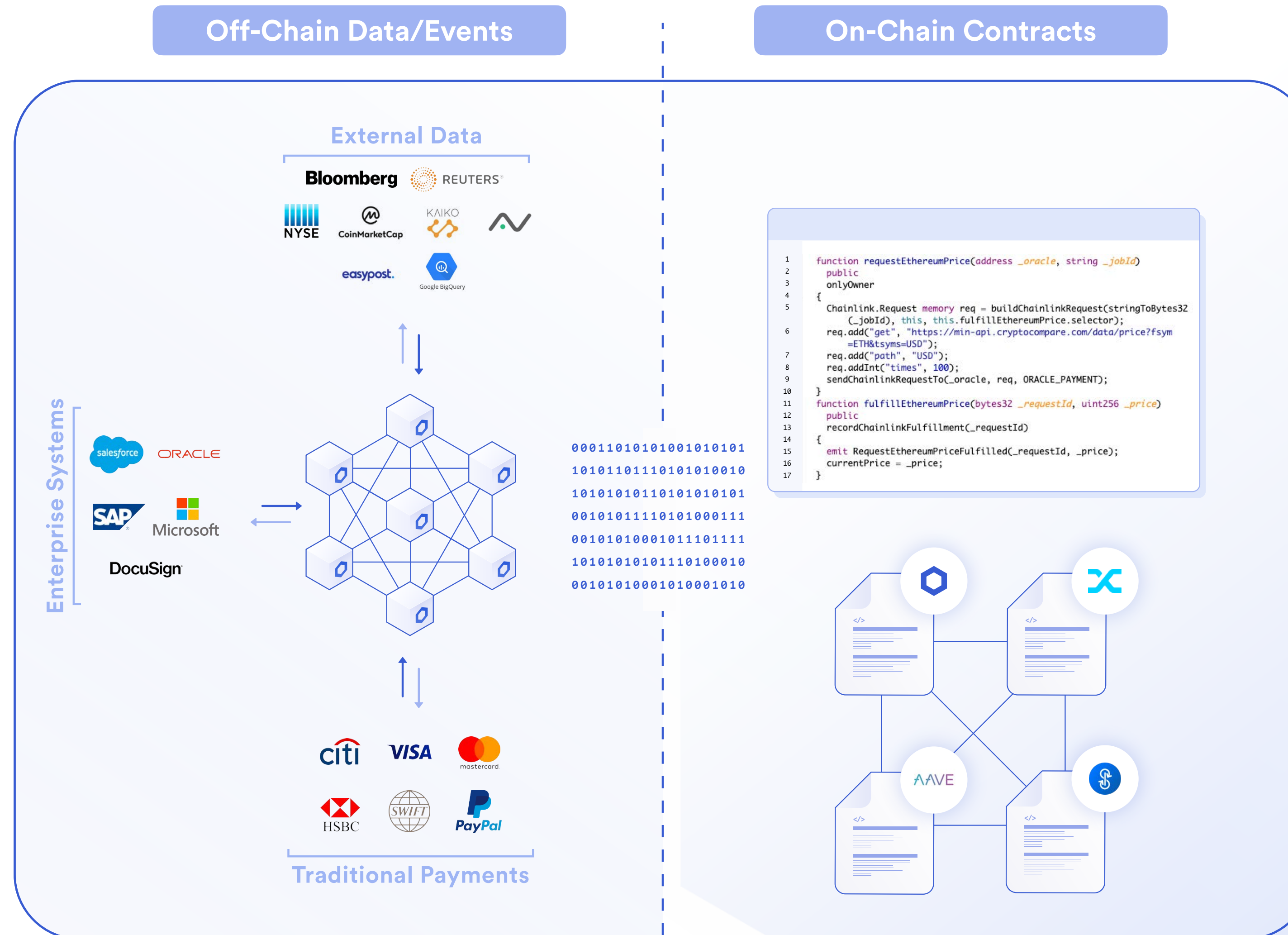
SYNTHETIX

AAVE

 yearn.finance

Nexus  Mutual

Providing Any/All Off-chain Resources to Contracts



Access to Off-chain Resources Enables More Contracts

Off-chain Market Data


CoinGecko


CoinMarketCap


BNC
bravenewcoin.com


KAICO


amberdata.io


CRYPTO
COMPARE


ALPHA
VANTAGE


BINANCE


T-Systems


LinkPool


Validation
Capital


Chainlink


Flews.io


SIMPLY VC


Chainlink

Chainlink Network


Newroad


ZTAKE


Early Stake


Chainlink


Chainlink


SNZ


Chainlayer


Certus One

DeFi Smart Contracts


SYNTHETIX


AAVE


Set Protocol


Ampleforth


LOOPRING


dy/dx


ETHEREUM


Nexus Mutual


crypto.com


OPENLAW


DMM


b2x


HAVEN


tinch


LinkPool


opium.exchange


Cyber
network


orchid


tornado


DigiTix


WOM


gelato


BULLIONIX


Bancor


BambooRelay


GAMERHASH


sandbank


PLASM



Access to Off-chain Resources Enables More Contracts

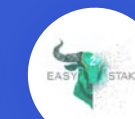
Off-chain Market Data



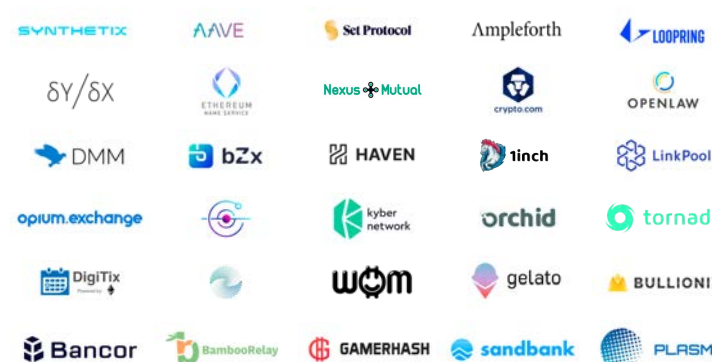
Off-chain Gaming Data



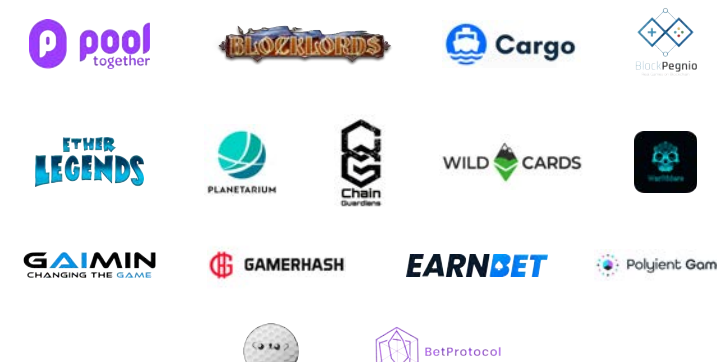
Chainlink Network



DeFi Smart Contracts



Gaming Smart Contracts

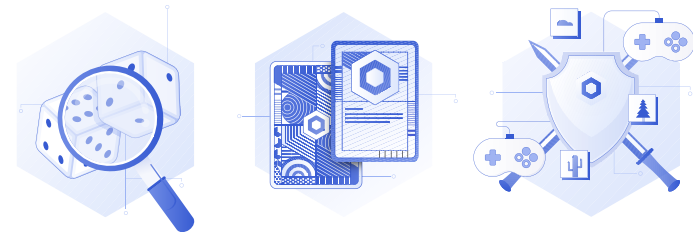


Access to Off-chain Resources Enables More Contracts

Off-chain Market Data



Off-chain Gaming Data



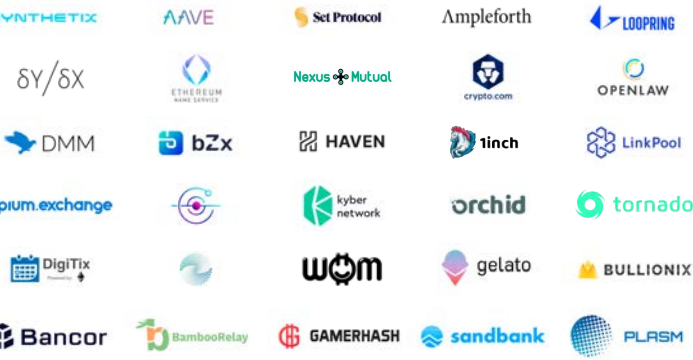
Off-chain Insurance Data



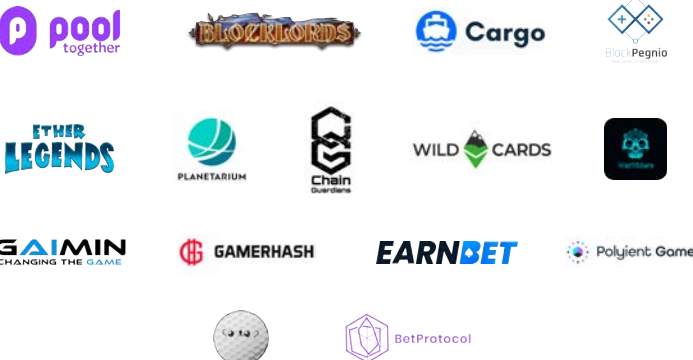
Chainlink Network



DeFi Smart Contracts



Gaming Smart Contracts



Insurance Smart Contracts



ethereum

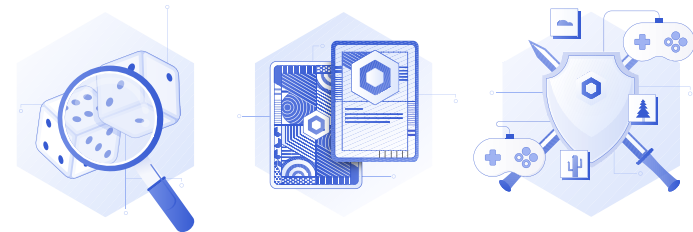


Access to Off-chain Resources Enables More Contracts

Off-chain Market Data



Off-chain Gaming Data



Off-chain Insurance Data



Various Proof of Reserves



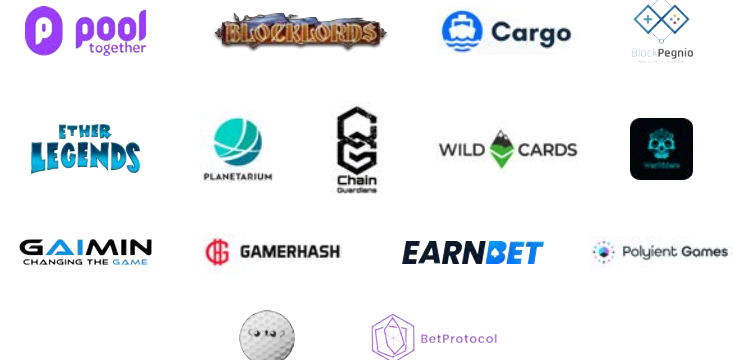
Chainlink Network



DeFi Smart Contracts



Gaming Smart Contracts



Insurance Smart Contracts



Wrapped + Stable Coins

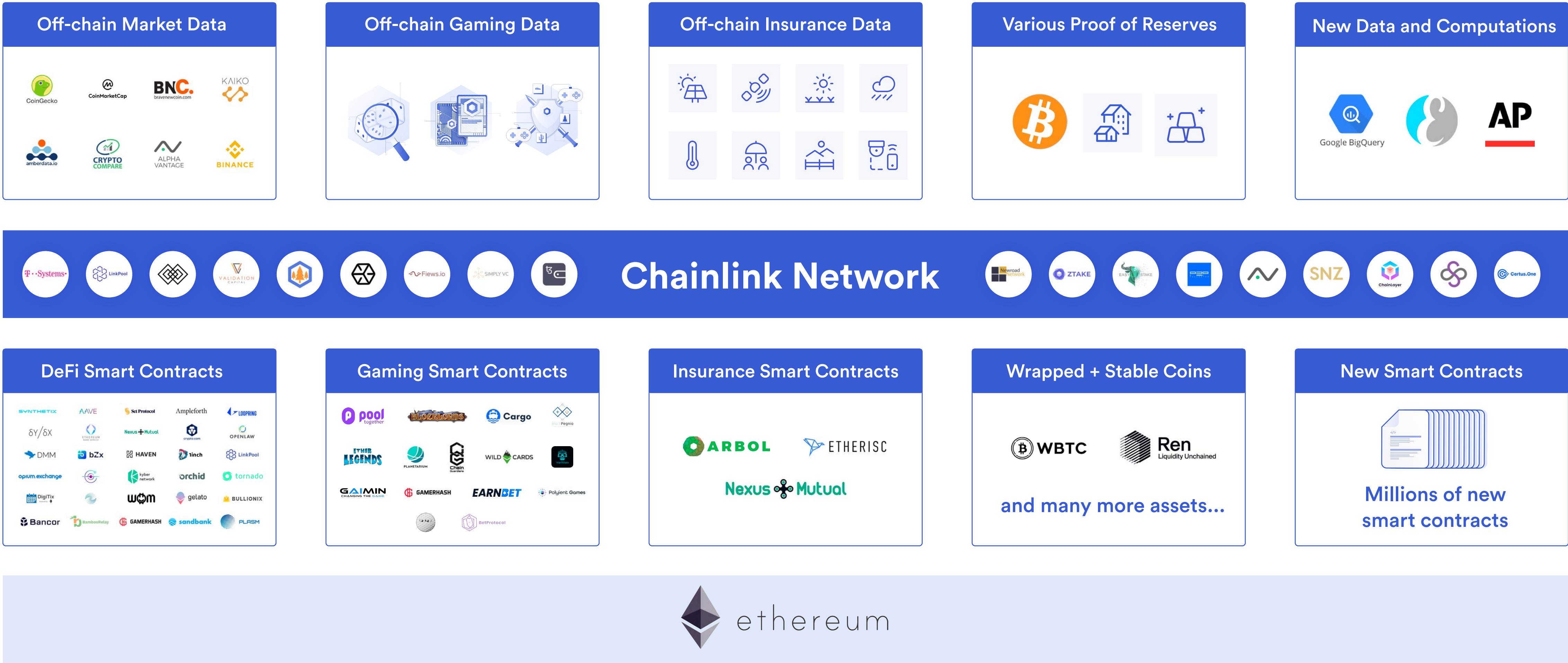


and many more assets...

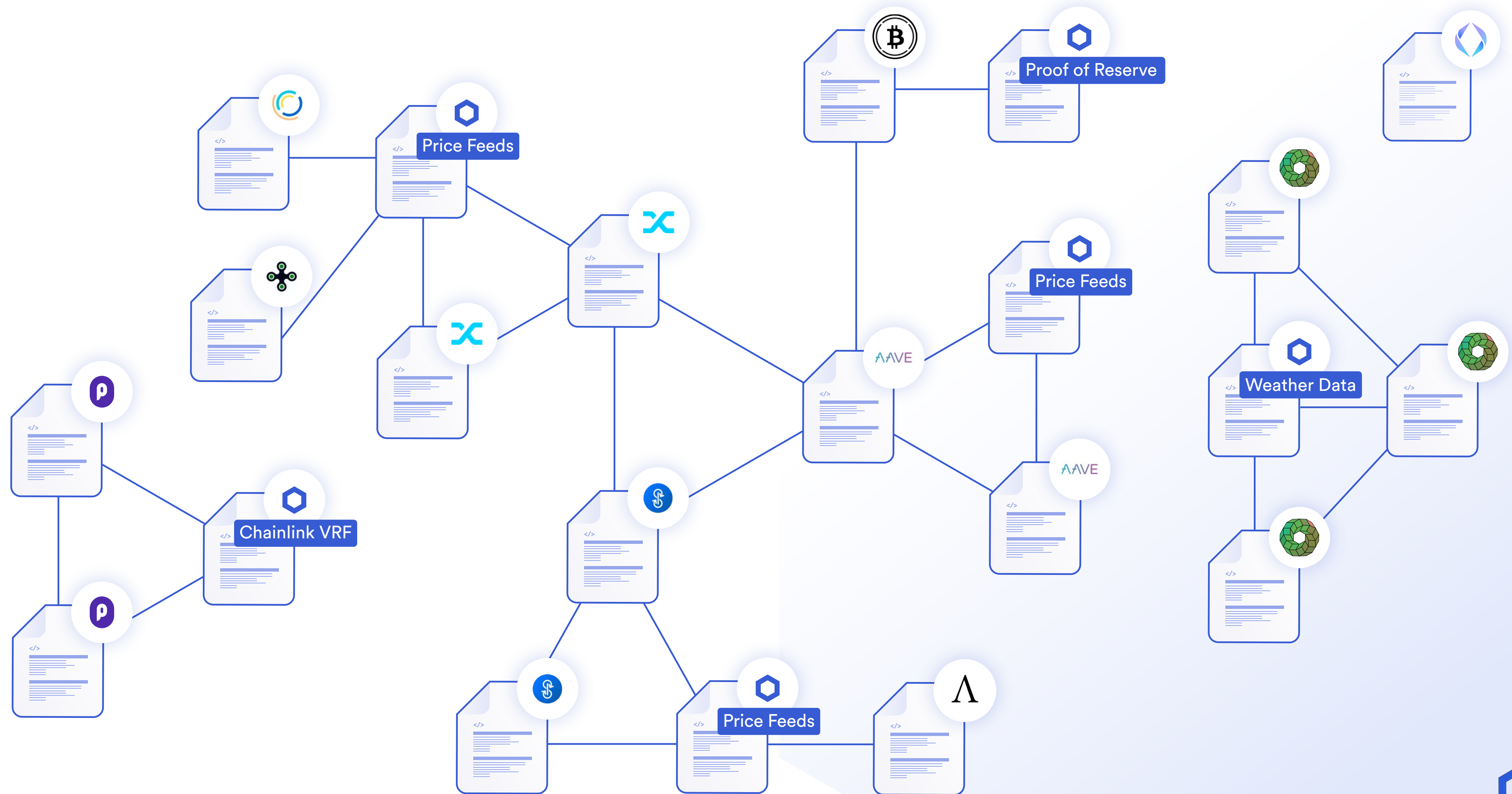
ethereum



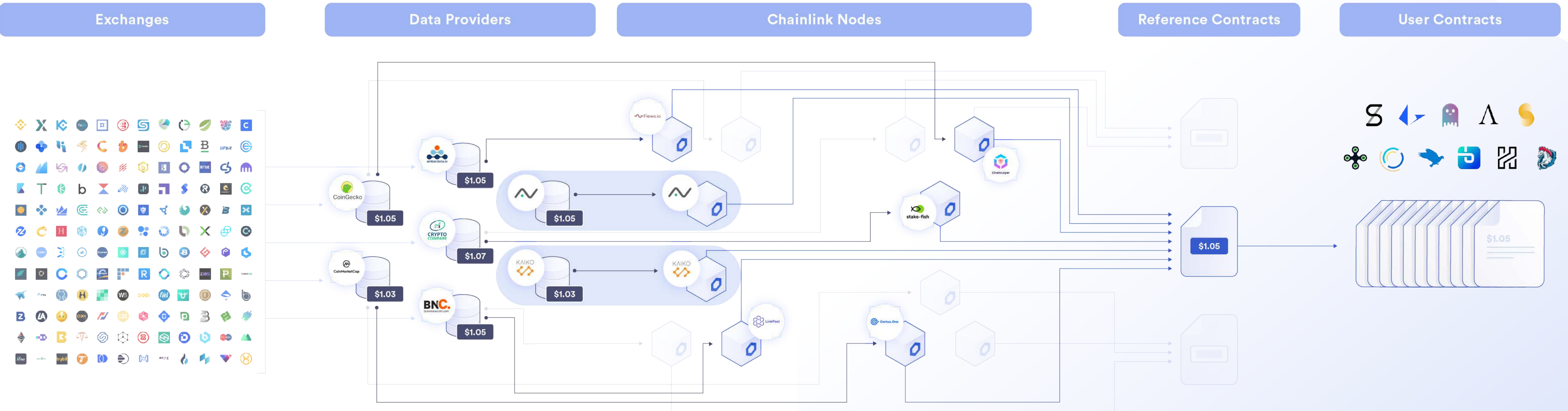
Access to Off-chain Resources Enables More Contracts



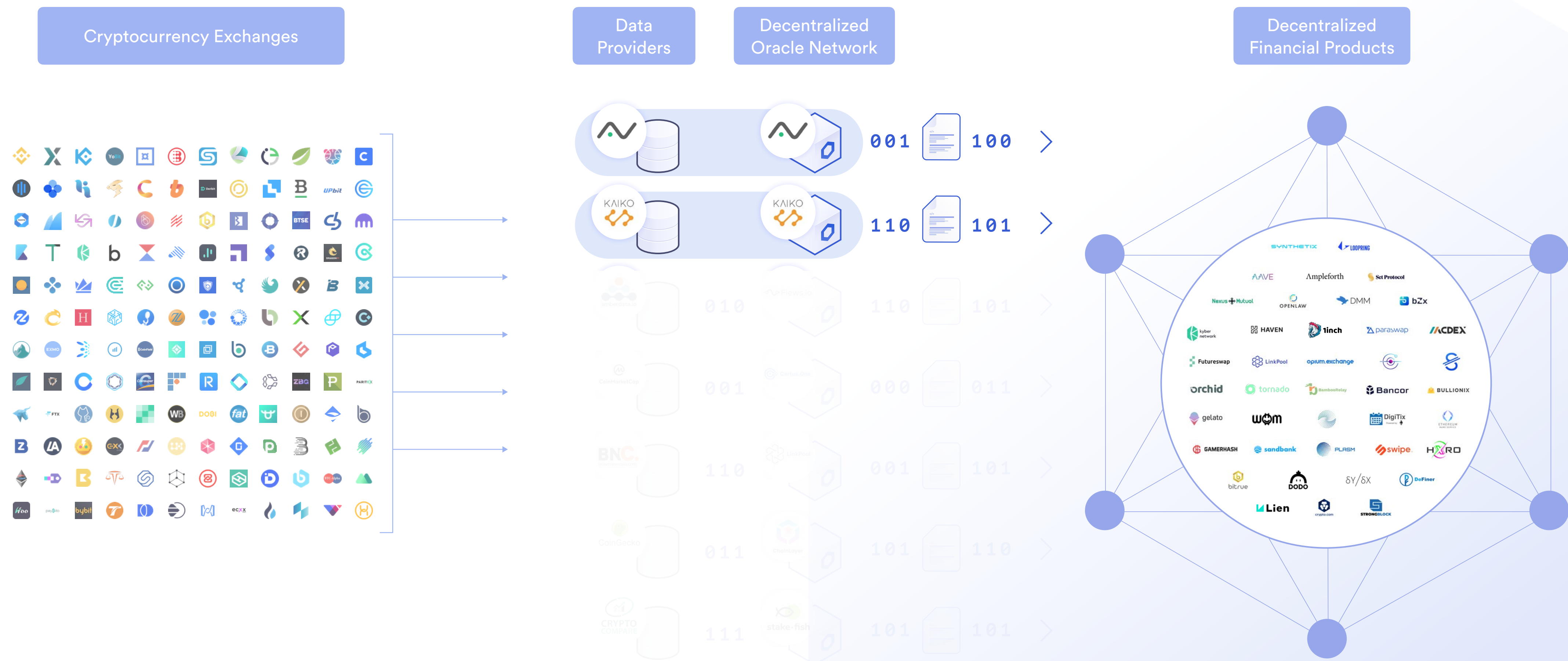
Composability Across Contracts is Rapidly Increasing



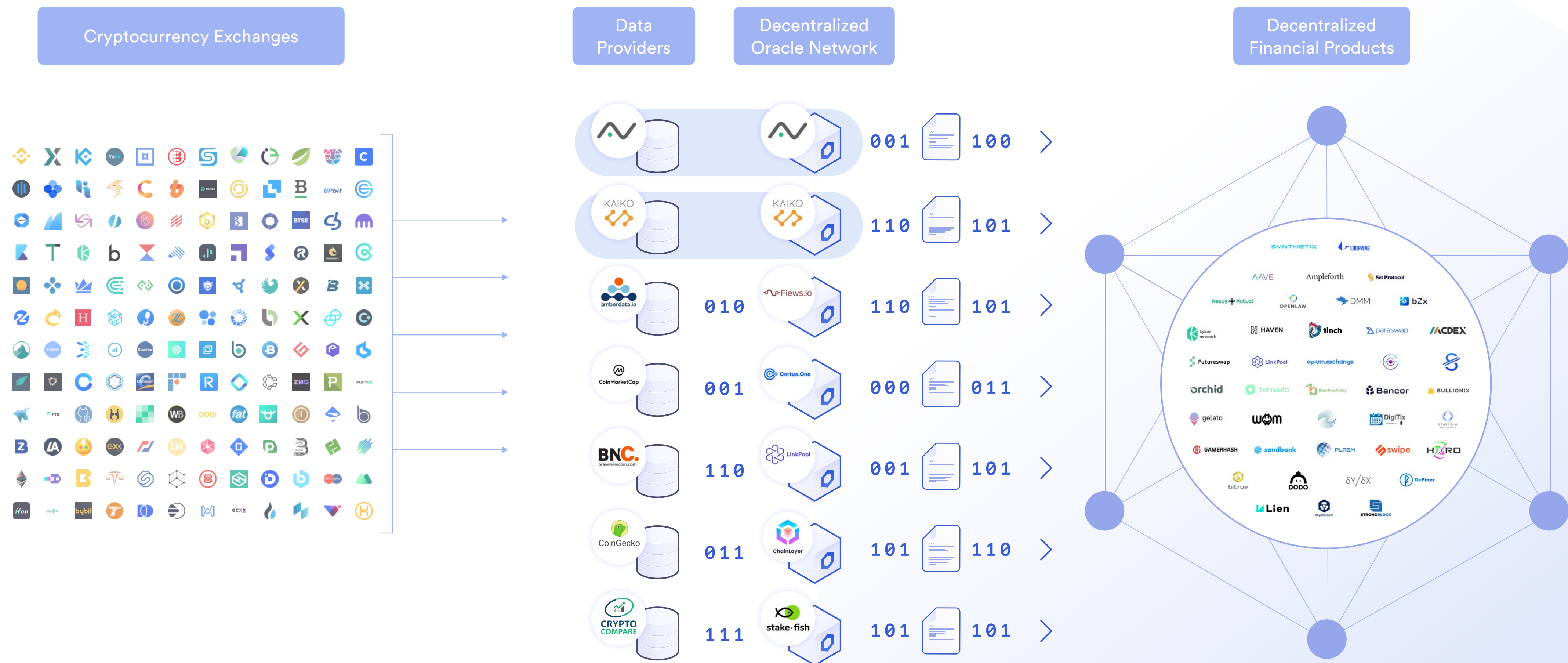
Truly Decentralized Finance via Decentralized Oracles



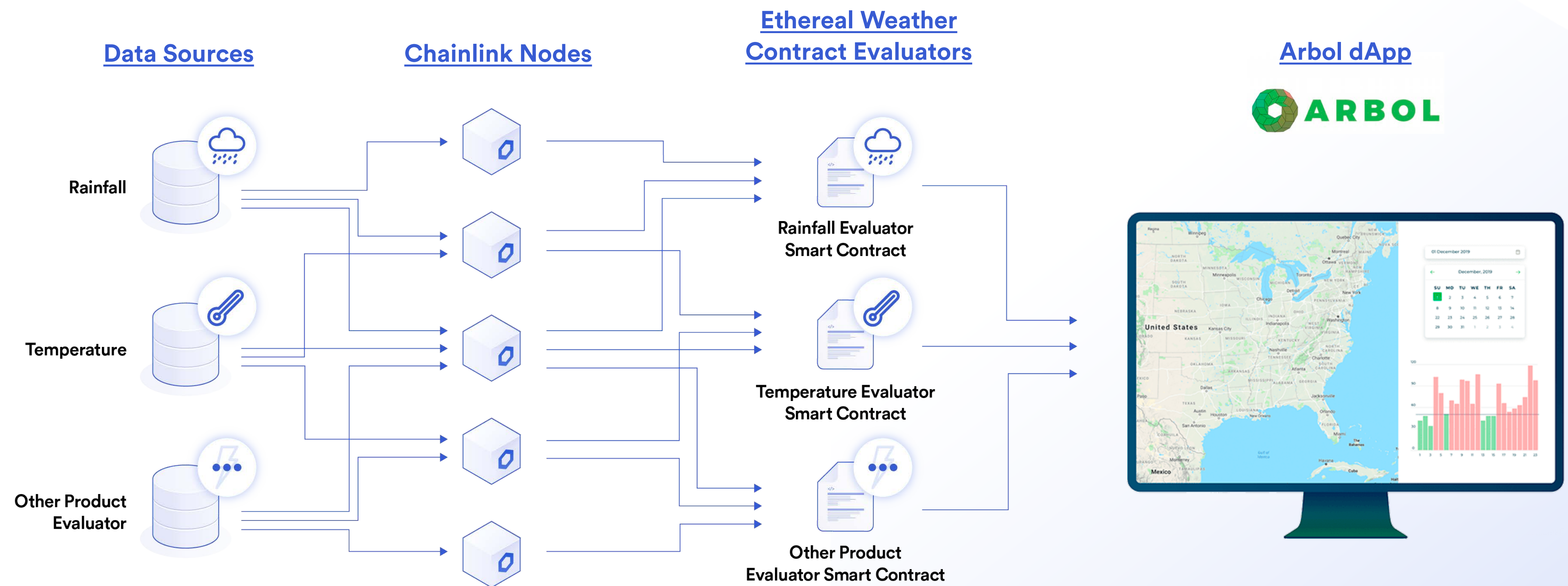
Data Providers Directly Signing Their Data On-chain



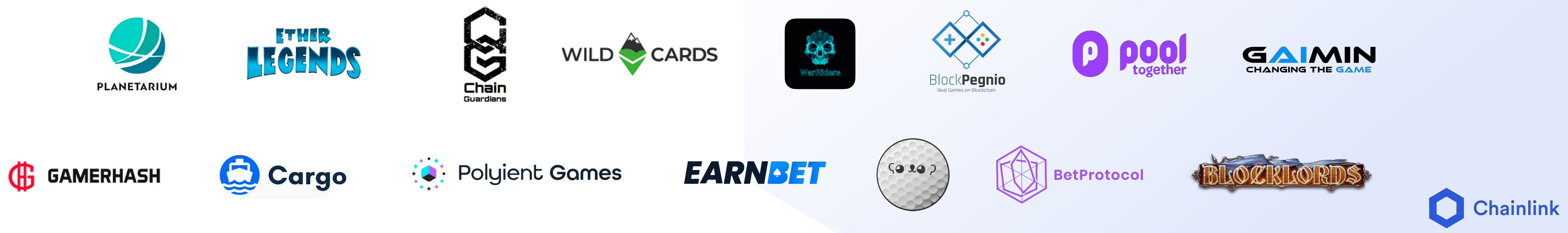
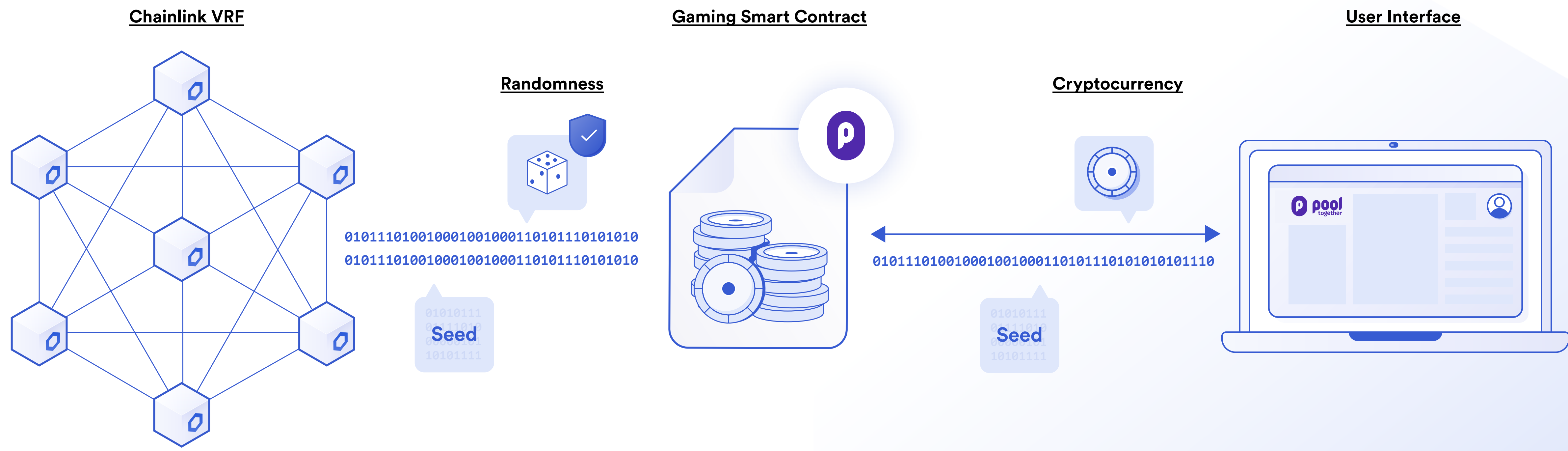
A Decentralized Network of Nodes and Data Sources



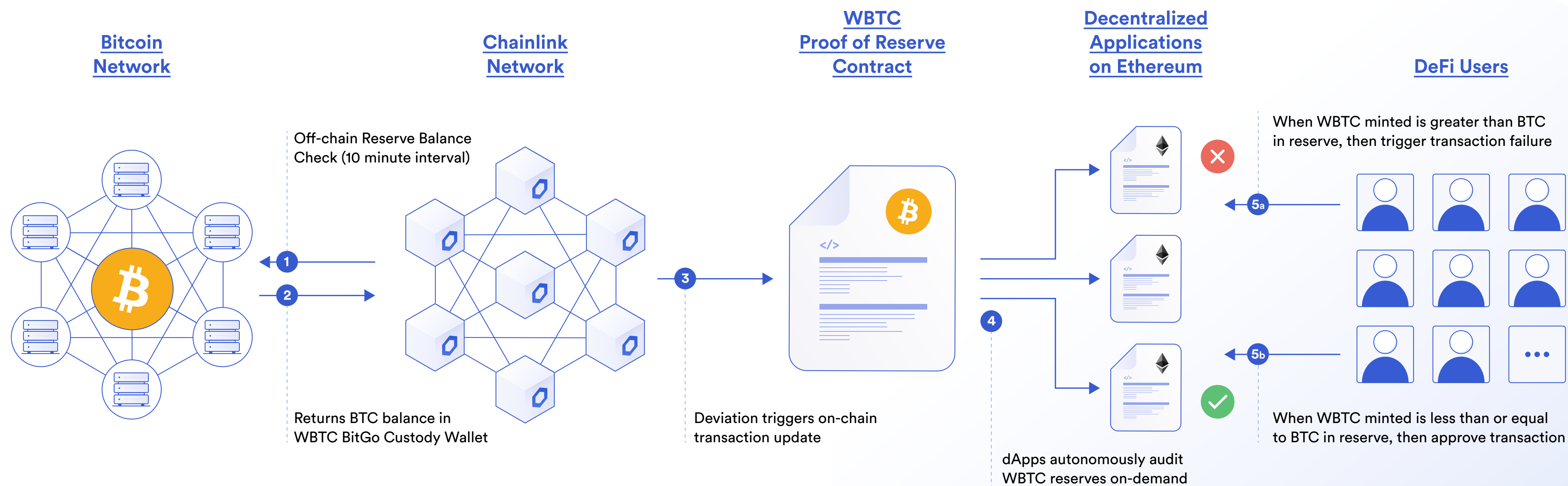
Weather Data Enables Smart Contract Crop Insurance



Providing Randomness to Enable Blockchain Gaming

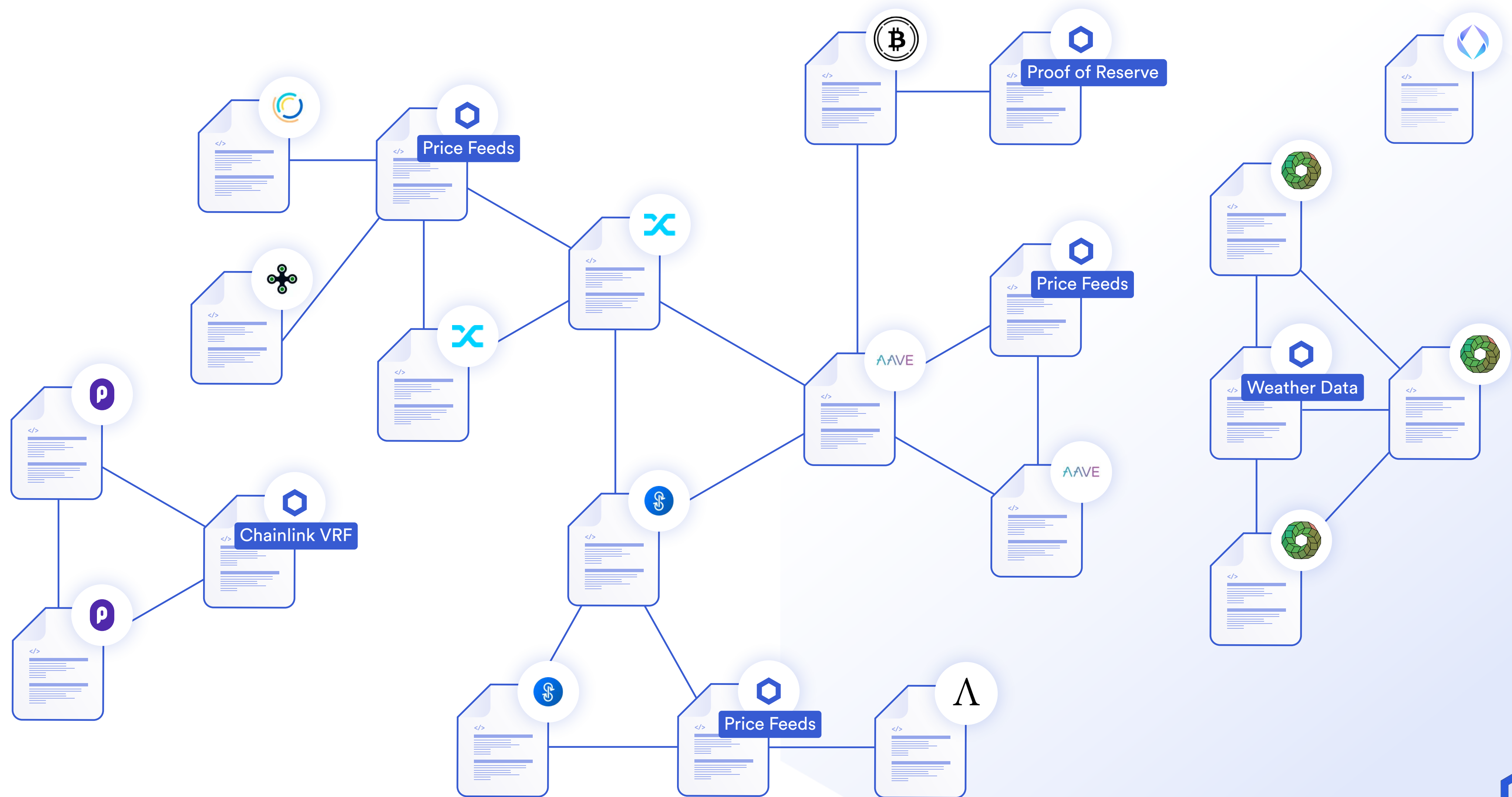


Providing Proof of Reserve to Prove an Asset's Status

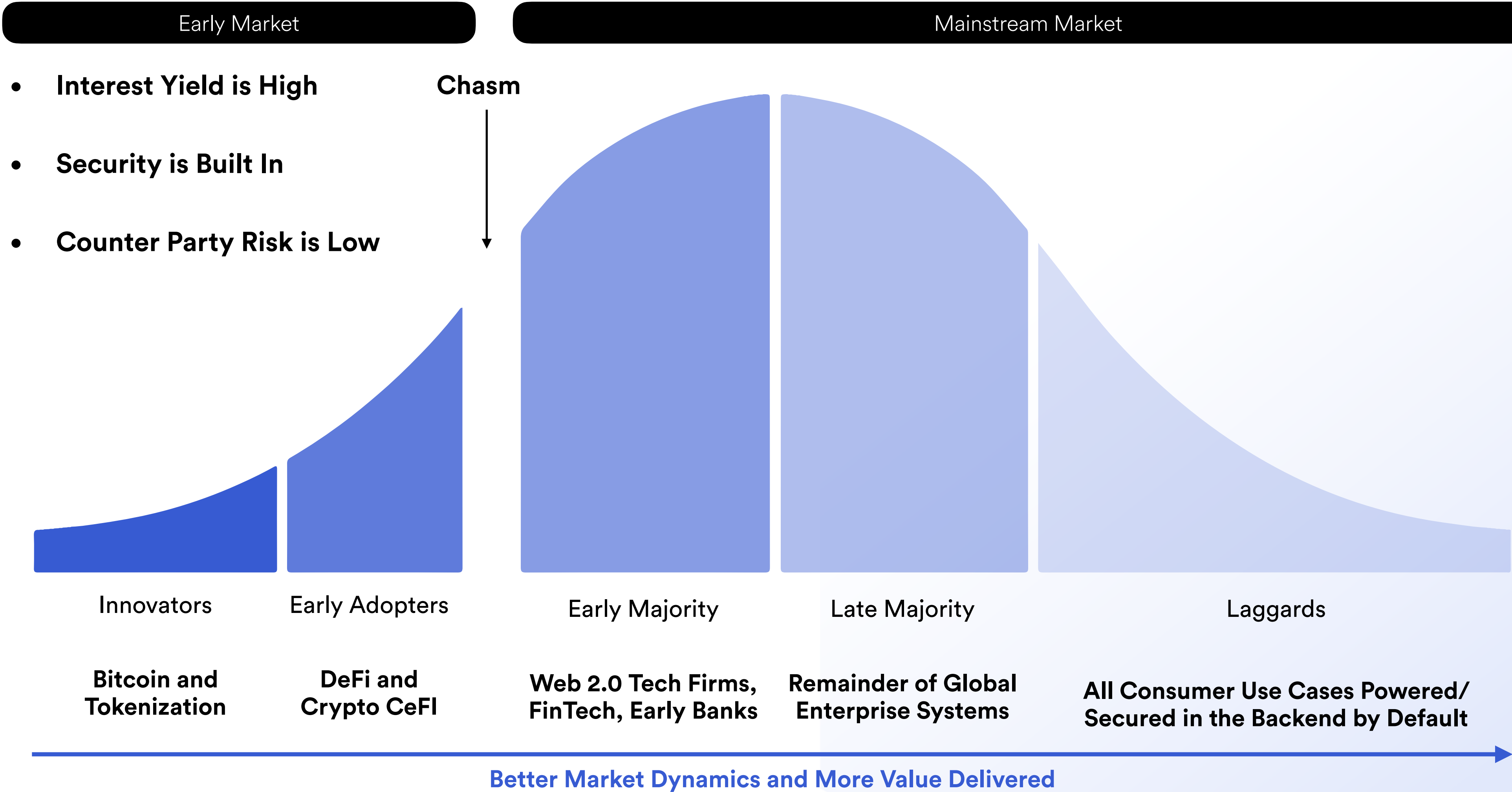


Over \$1.25Bn in Wrapped BTC

Composability is Rapidly Increasing Across Contracts



Decentralized Finance Needs to Gain Larger Adoption

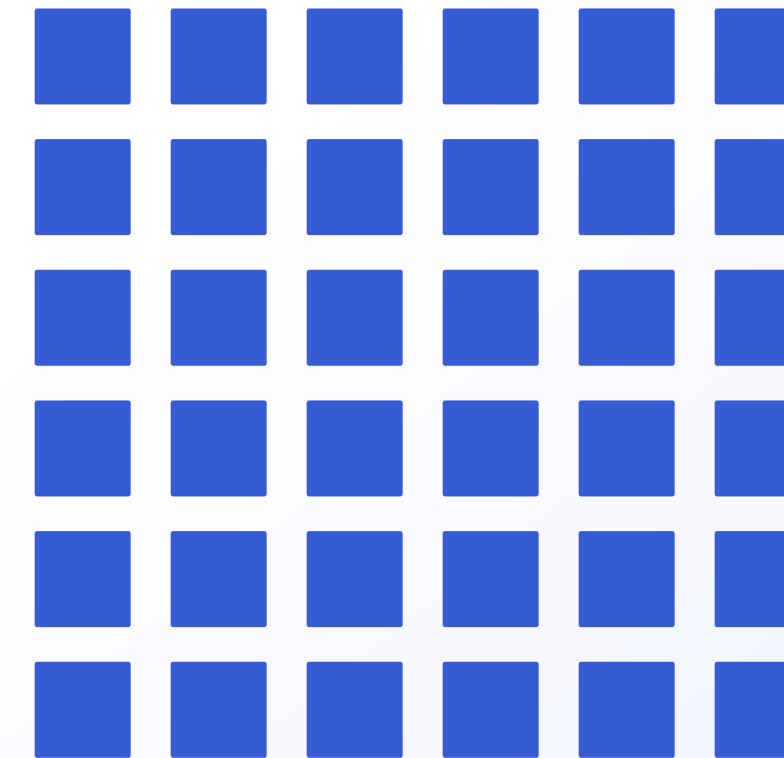


DeFi is Still Only 2.5% of All Value in Cryptocurrency

DeFi



Cryptocurrency



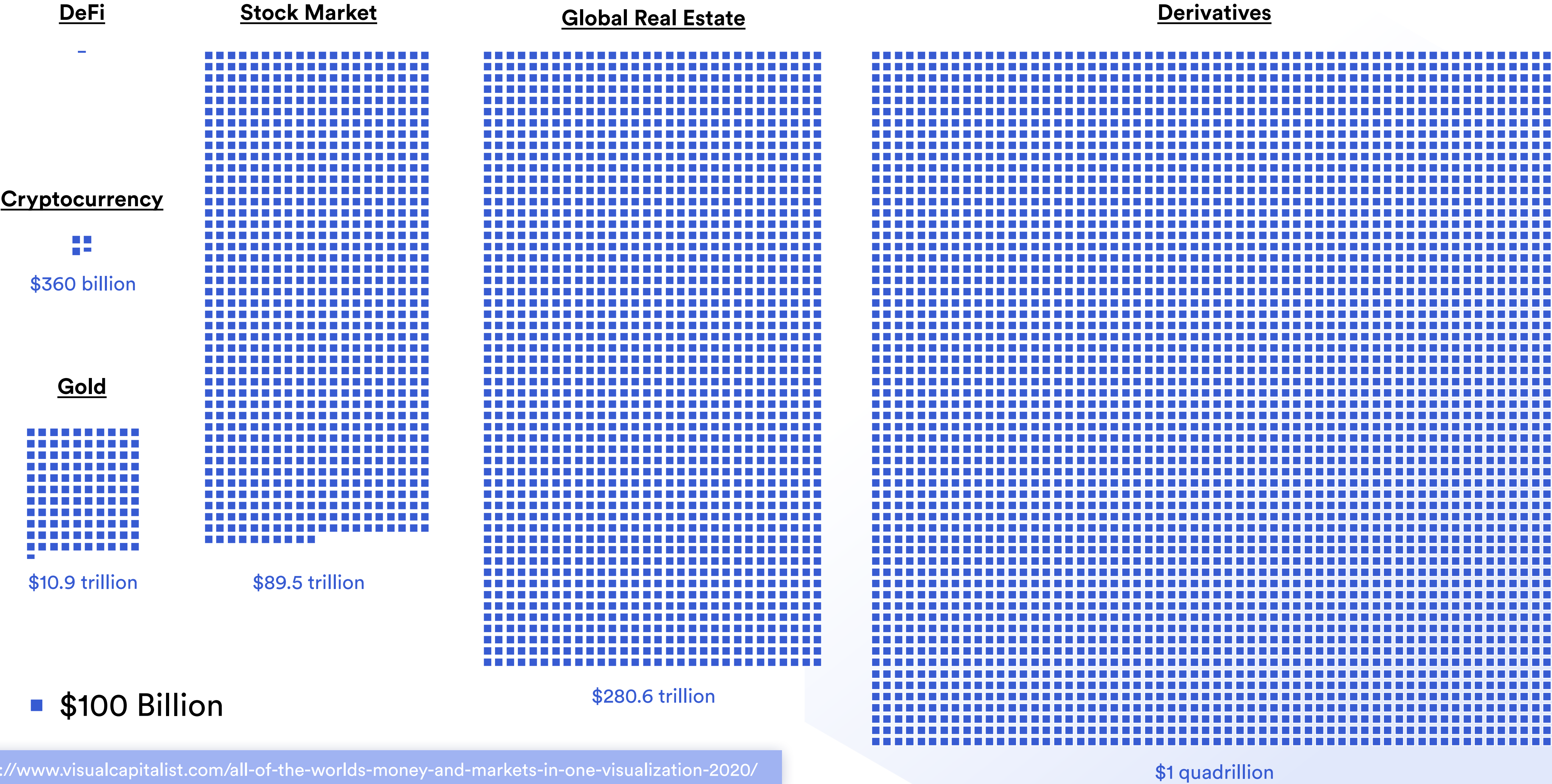
High Interest Yields



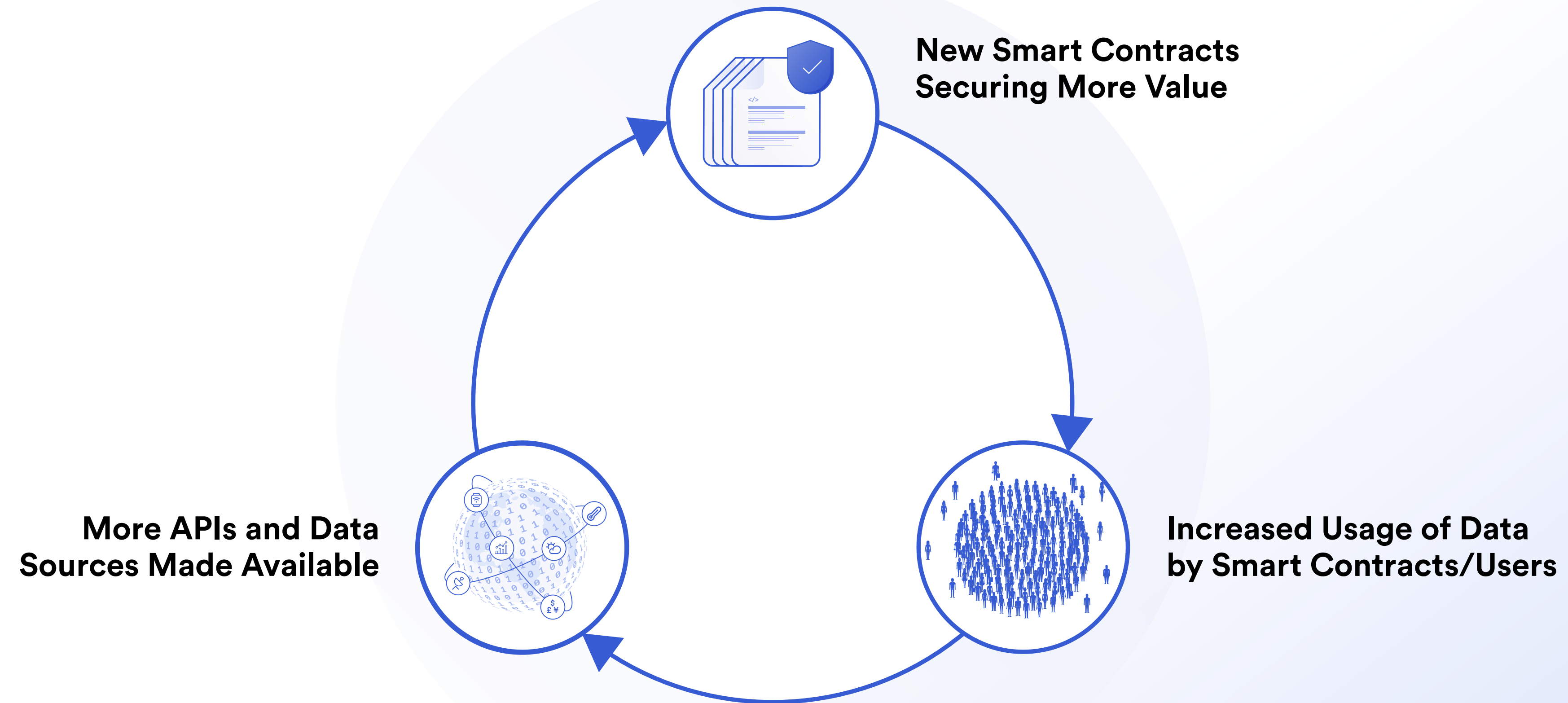
\$360 billion

■ \$10 Billion

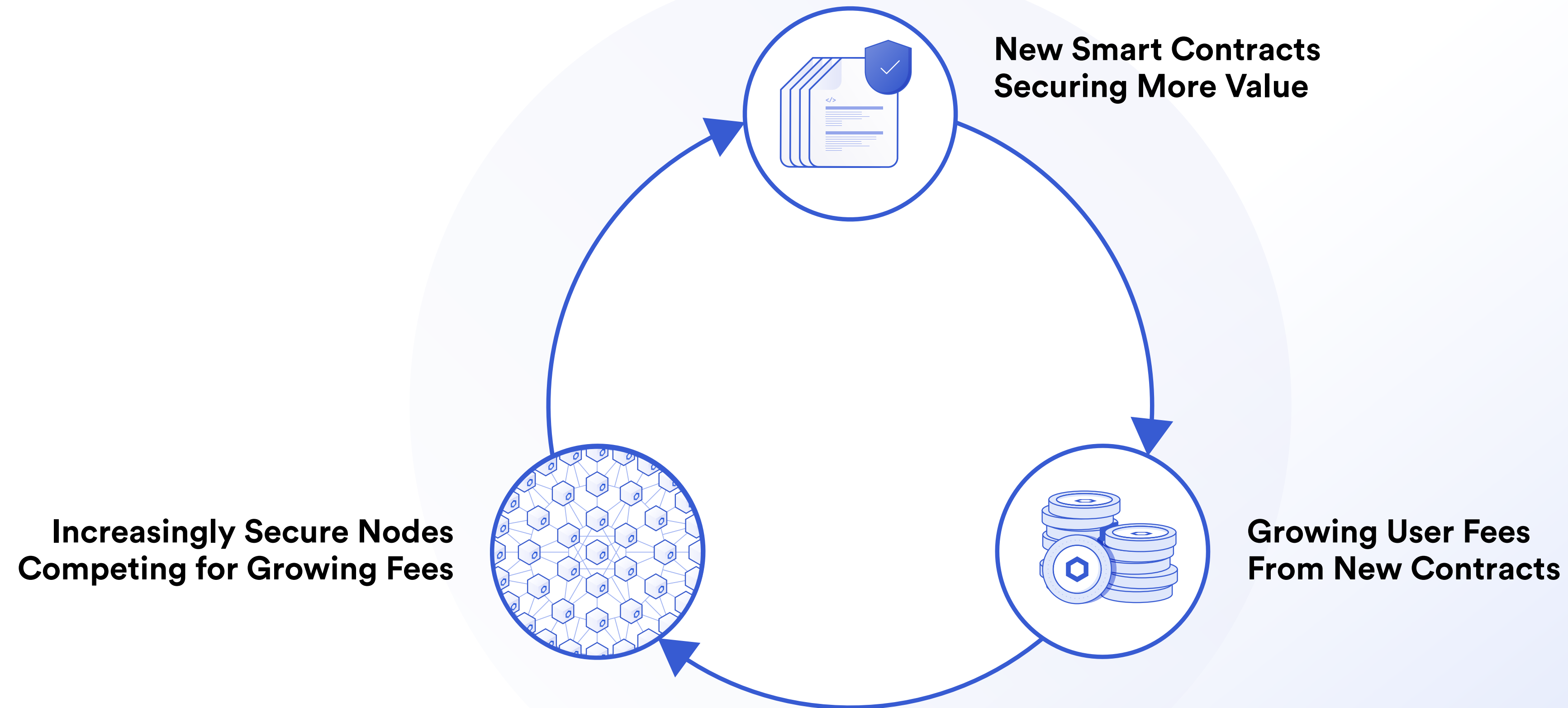
The Remaining Market For Smart Contracts is Trillions



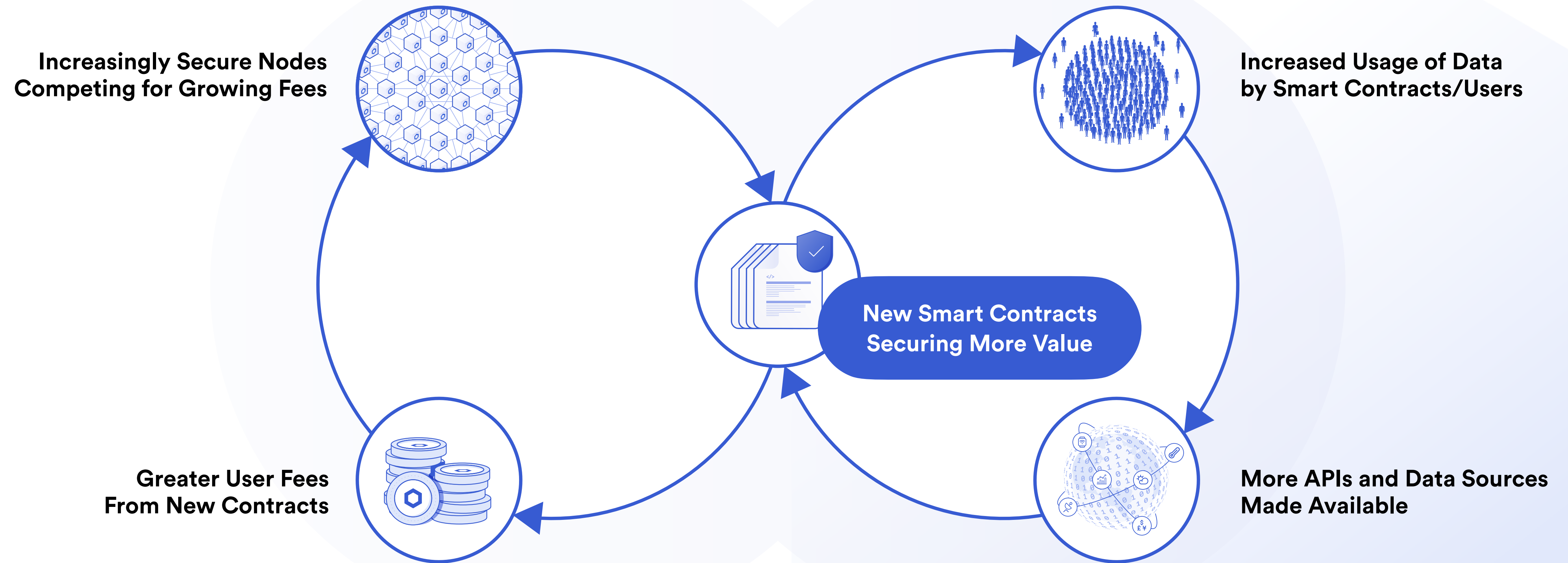
Greater Usage of Data Drives More Data On-chain



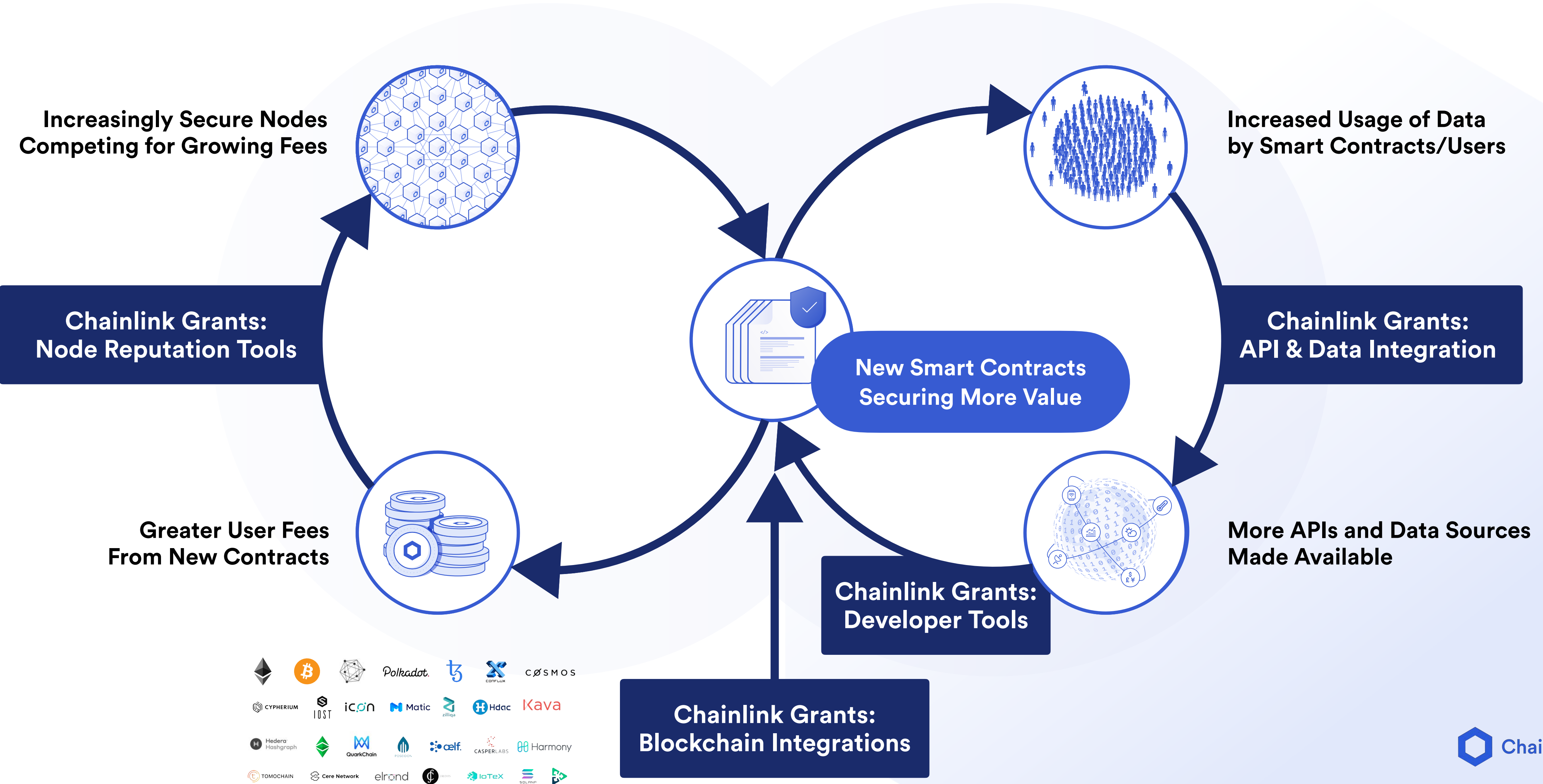
Greater User Fees Drive Greater Security Guarantees



Smart Contracts as The Dominant Digital Agreement



Accelerating the Creation of Various Smart Contracts



Join Our Team



Build great open source software that enables the next generation of DeFi and many other smart contract types.

We're an idea meritocracy where the best ideas win.

We're a remote team working with great people all over the world.

chainlinklabs.com/careers

Thank You

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