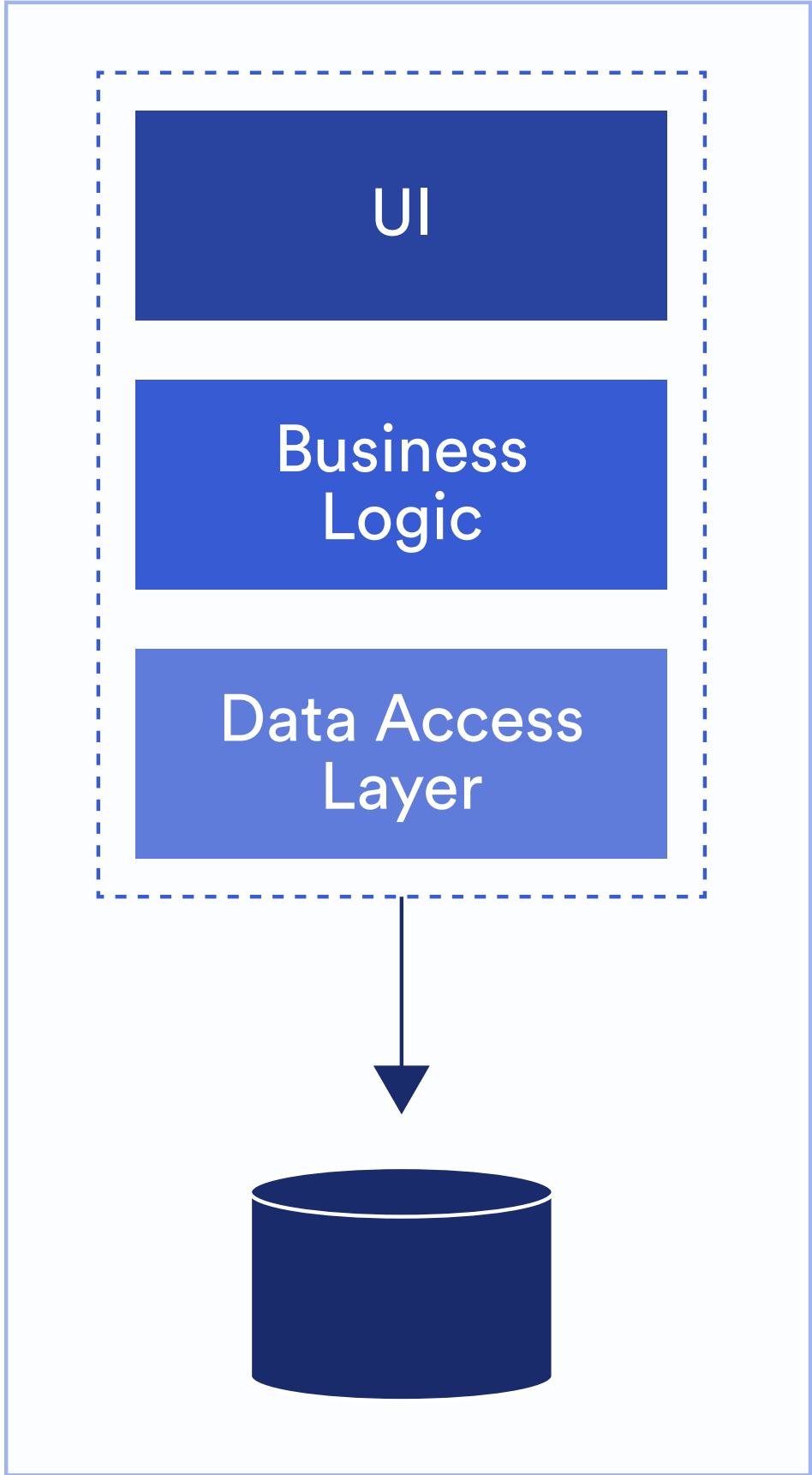




Growing DeFi with New Data and Collateral Types

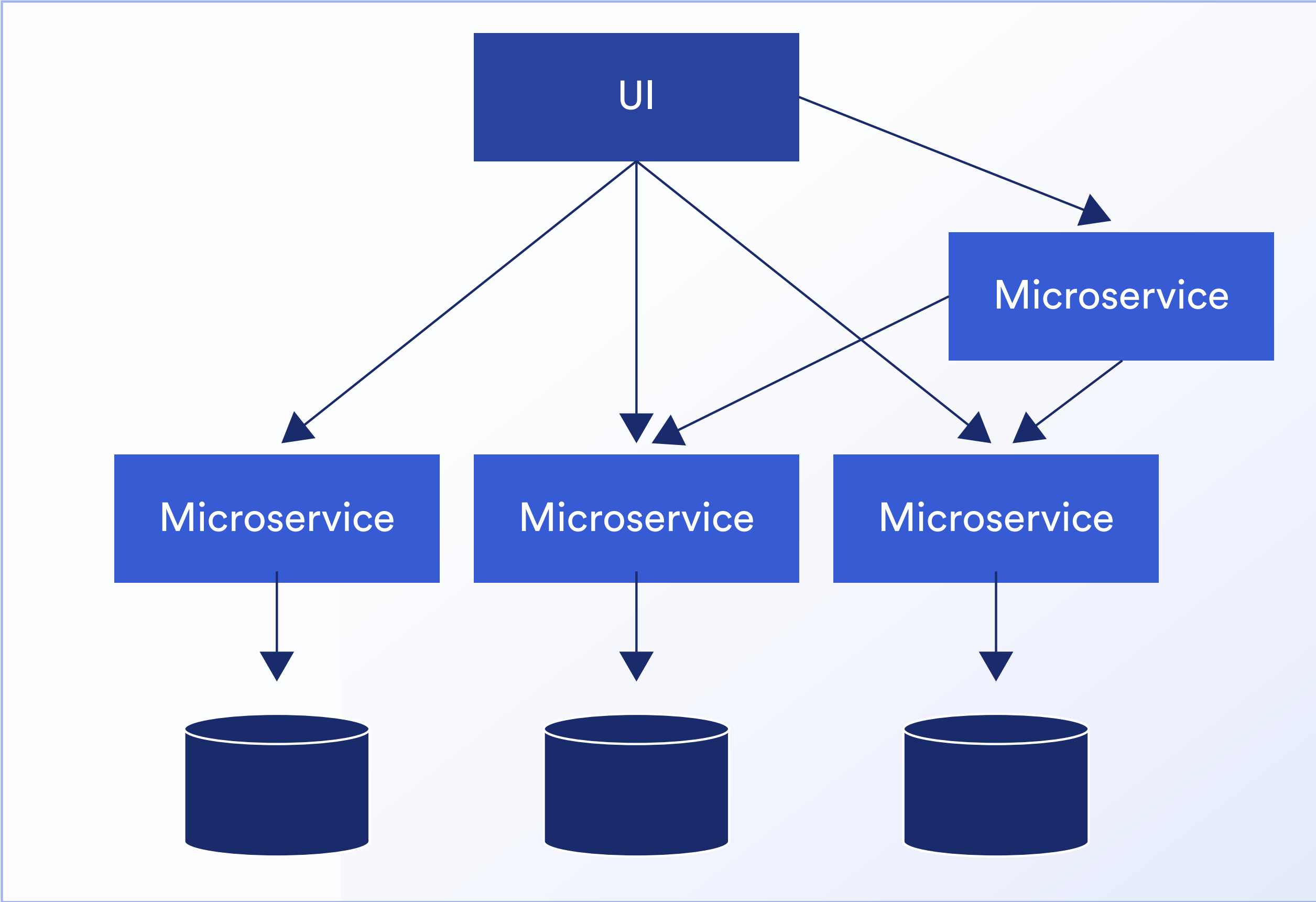
The Shift Towards a Services Oriented Architecture

Monolithic

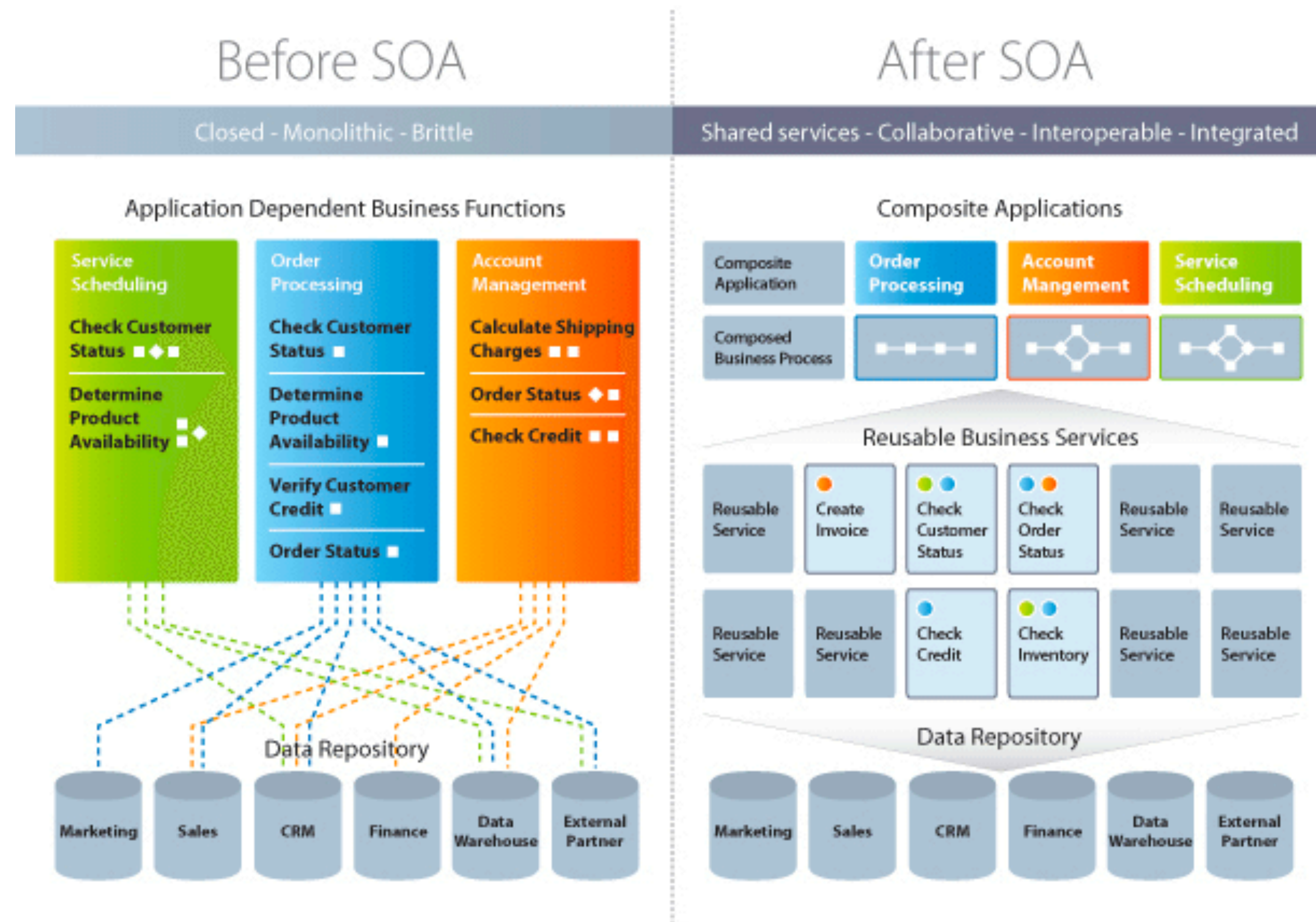


vs.

Microservices



The Shift Towards a Services Oriented Architecture (SOA)



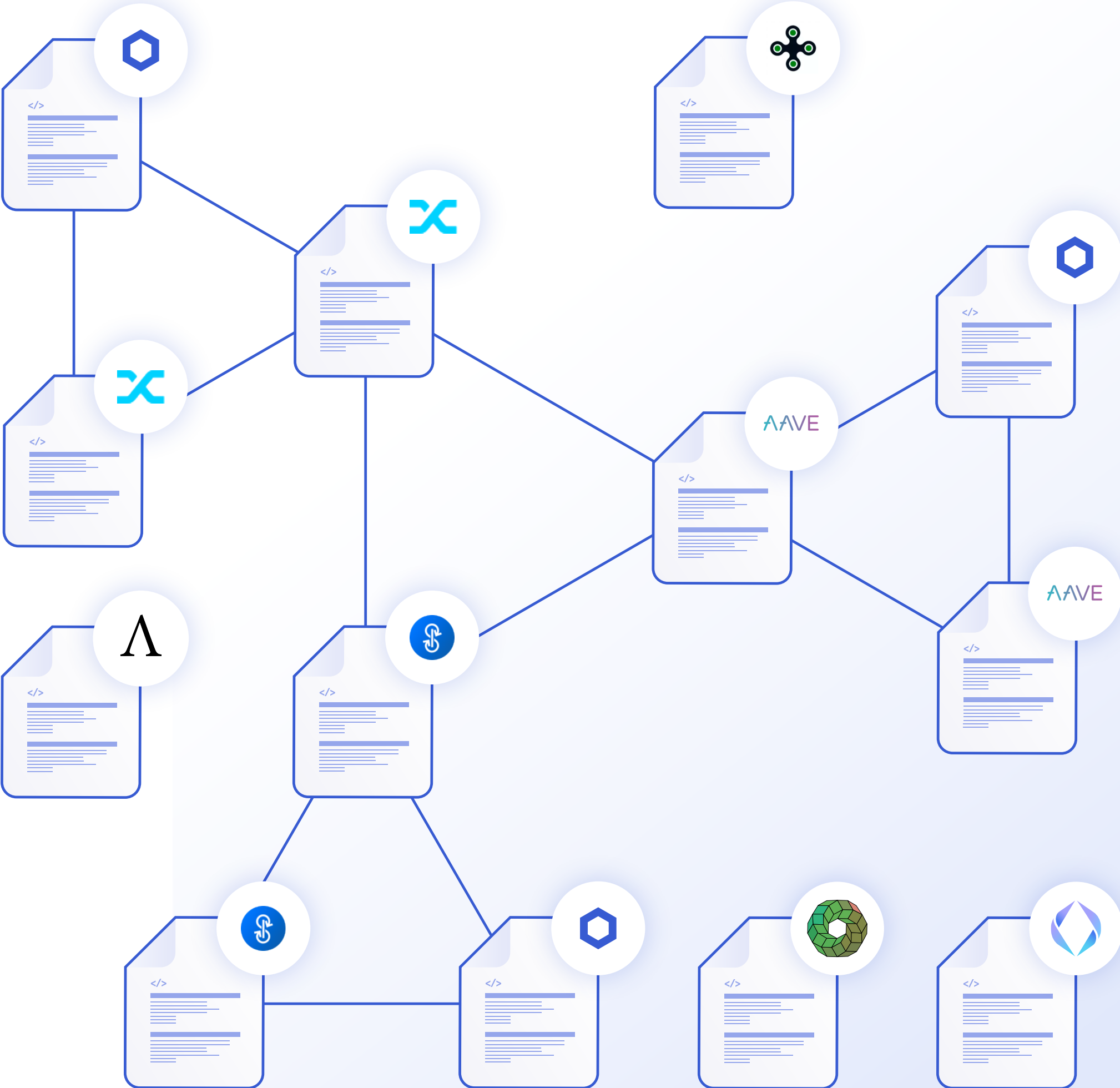
- Services interact more securely due to separation of concerns
- Reusability of services saves time and allows sharing across teams
- Rapid iteration by combining services and adding new ones

DeFi Composability = Working SOA for Smart Contracts

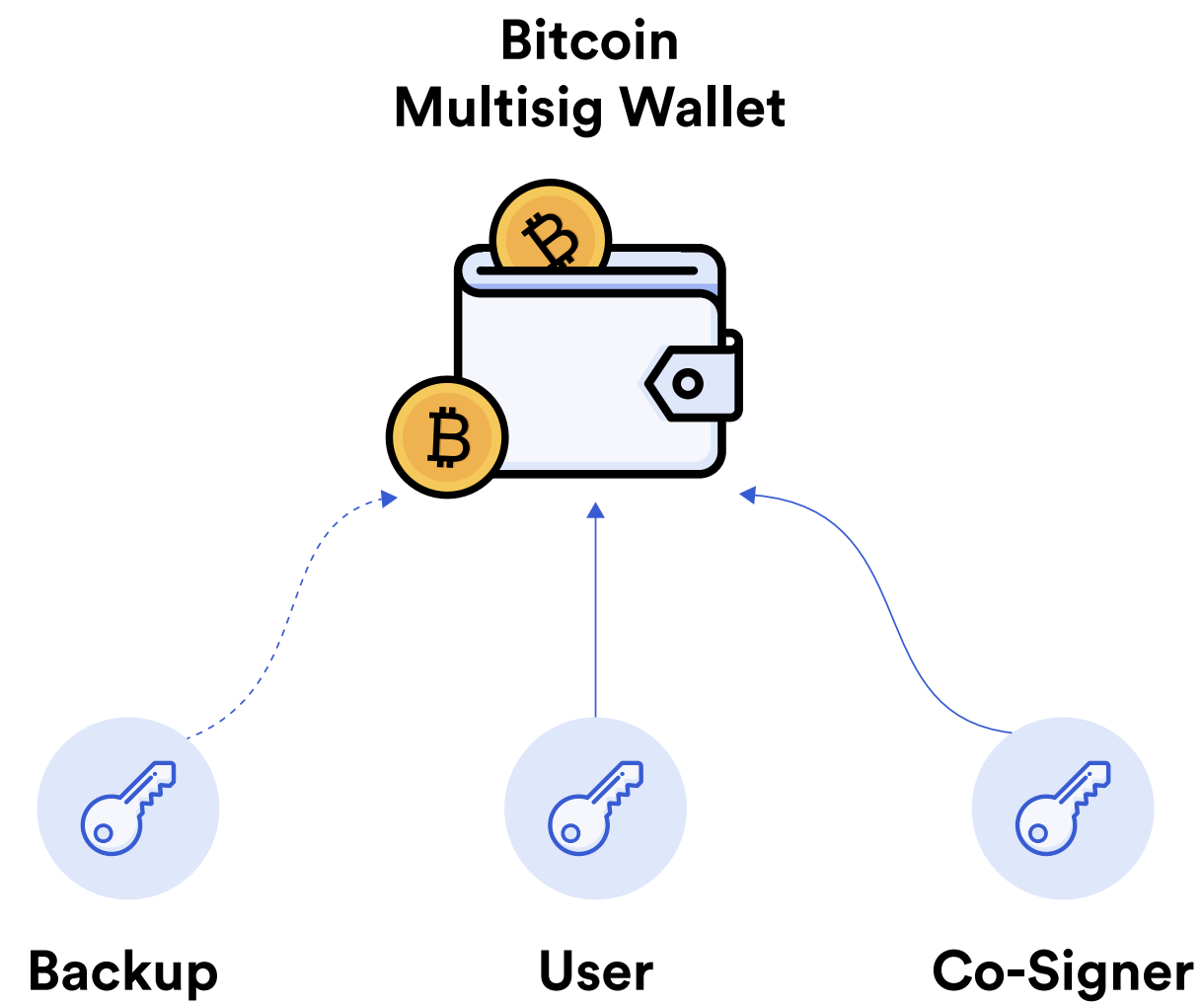
Monolithic Smart Contracts
(The DAO)



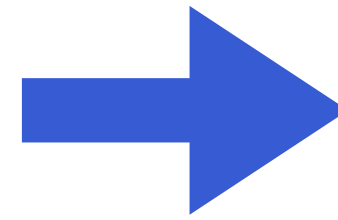
Composable DeFi Smart Contracts
(Synthetix, AAVE, Yearn, etc...)



The Initial Leap Forward for Smart Contracts



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

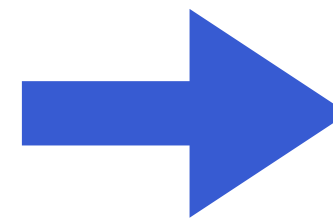


**Protocol Smart Contracts =
Smart Contracts 1.0**

The Scriptable Leap Forward for Smart Contracts



**Protocol Smart Contracts =
Smart Contracts 1.0**

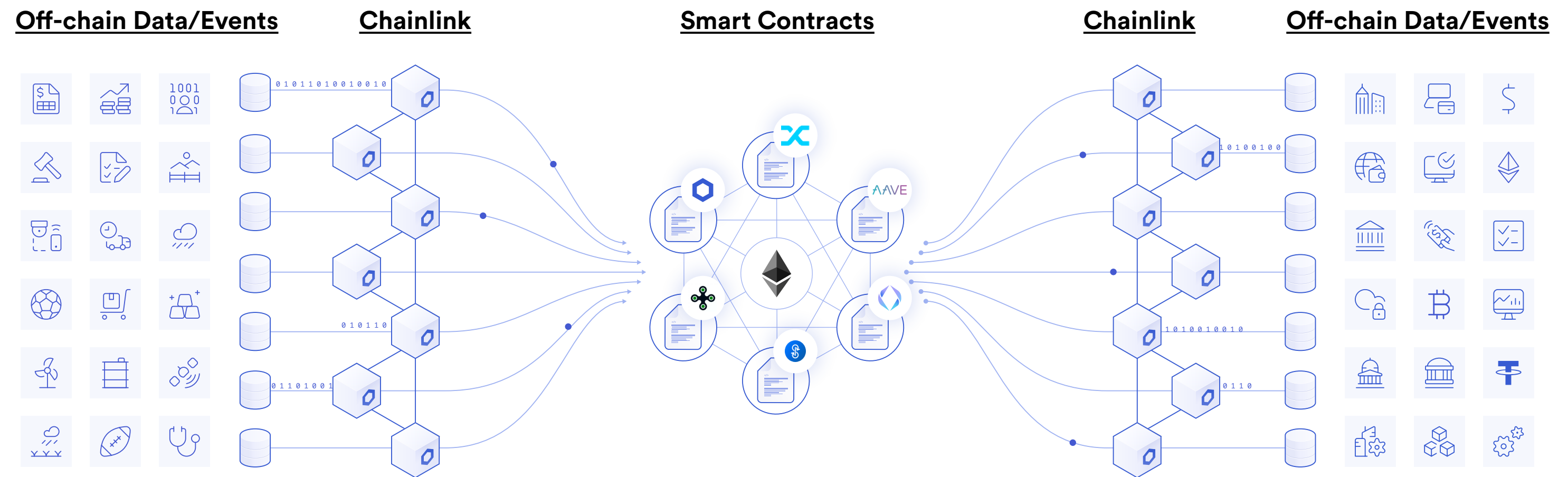
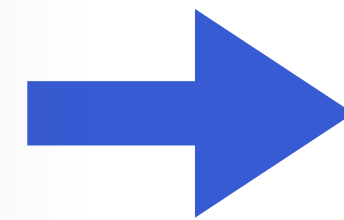


```
1 pragma solidity ^0.4.16;
2
3 contract MyToken {
4     // This creates an array with all balances
5     mapping (address => uint256) public balanceOf;
6
7     // Initializes contract with initial supply tokens to t
8     function MyToken (
9         uint256 initialSupply
10    ) payable {
11         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 (
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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

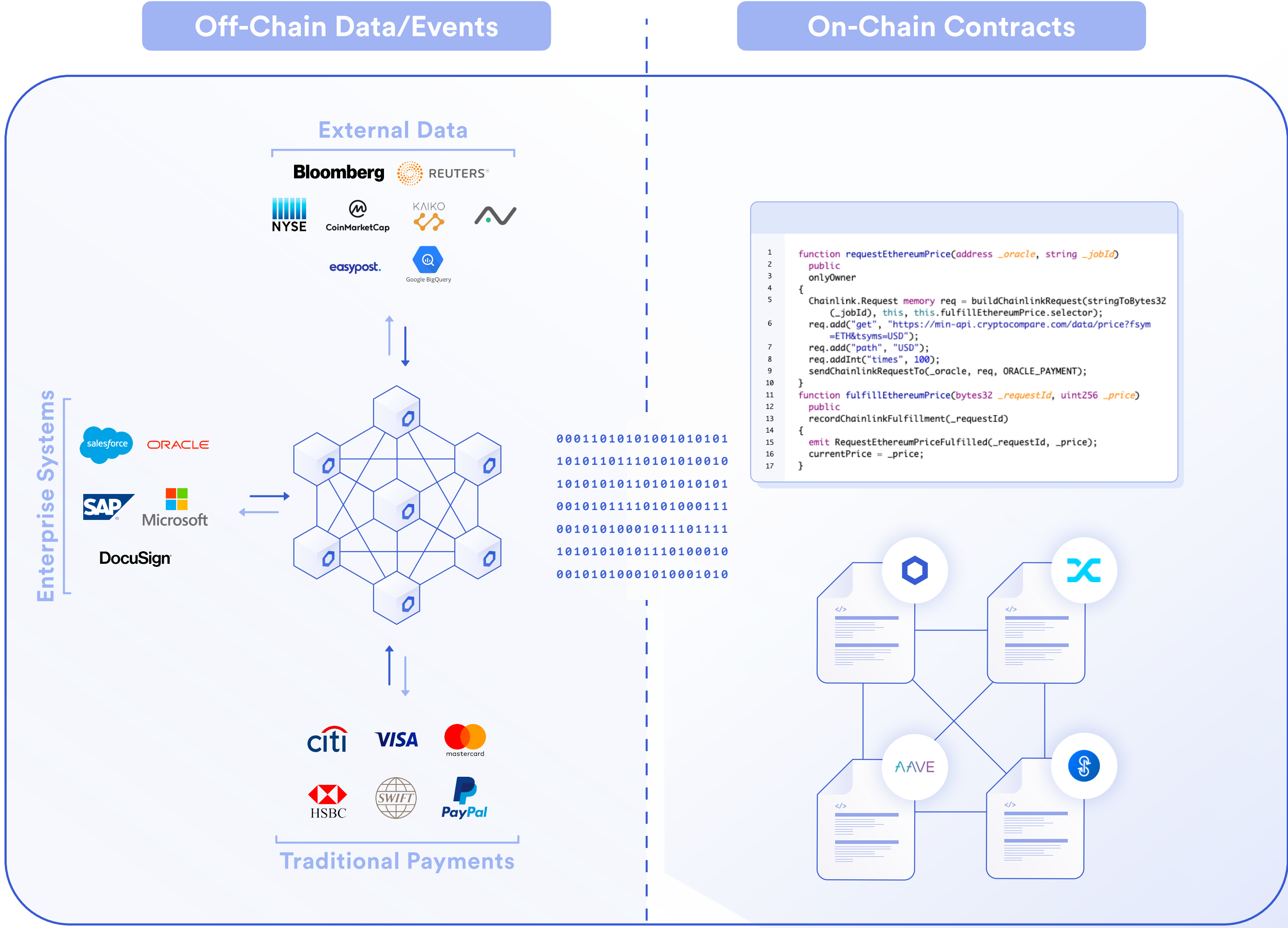
AAVE

 yearn.finance

Nexus  Mutual



Providing Any/All Off-chain Resources to Contracts



Access to Off-chain Resources Enables More Contracts

Off-chain Market Data



DeFi Smart Contracts

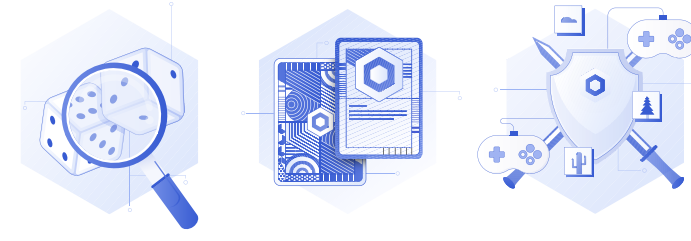


Access to Off-chain Resources Enables More Contracts

Off-chain Market Data



Off-chain Gaming Data



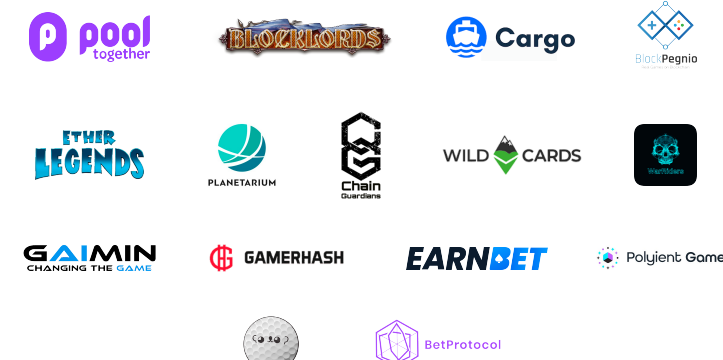
Chainlink Network



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



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...



Access to Off-chain Resources Enables More Contracts


Off-chain Market Data



Off-chain Gaming Data




Off-chain Insurance Data



Various Proof of Reserves



New Data and Computations



Chainlink Network



DeFi Smart Contracts



Gaming Smart Contracts



Insurance Smart Contracts



Wrapped + Stable Coins



and many more assets...

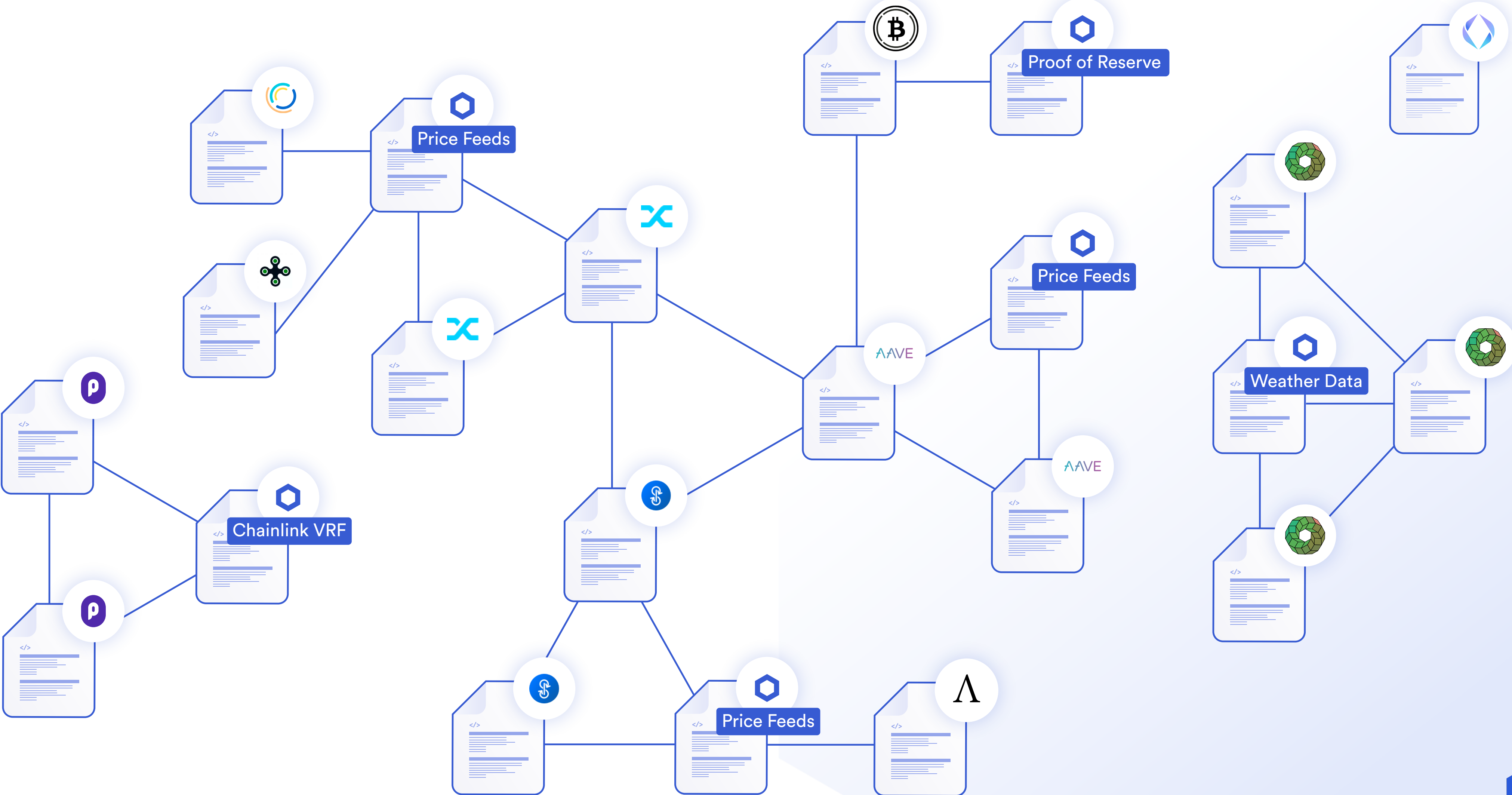
New Smart Contracts



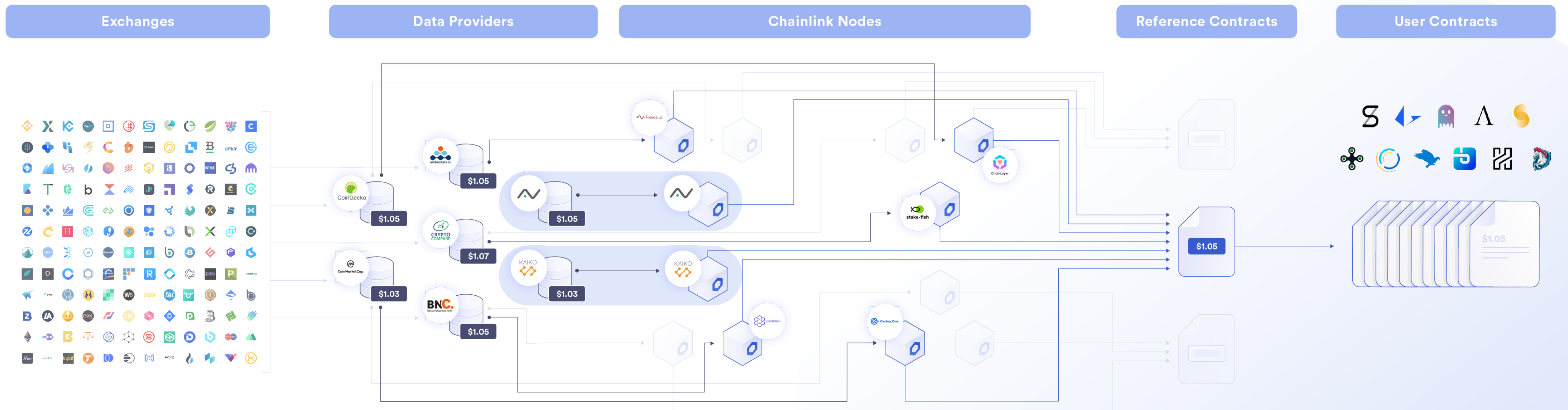
Millions of new smart contracts



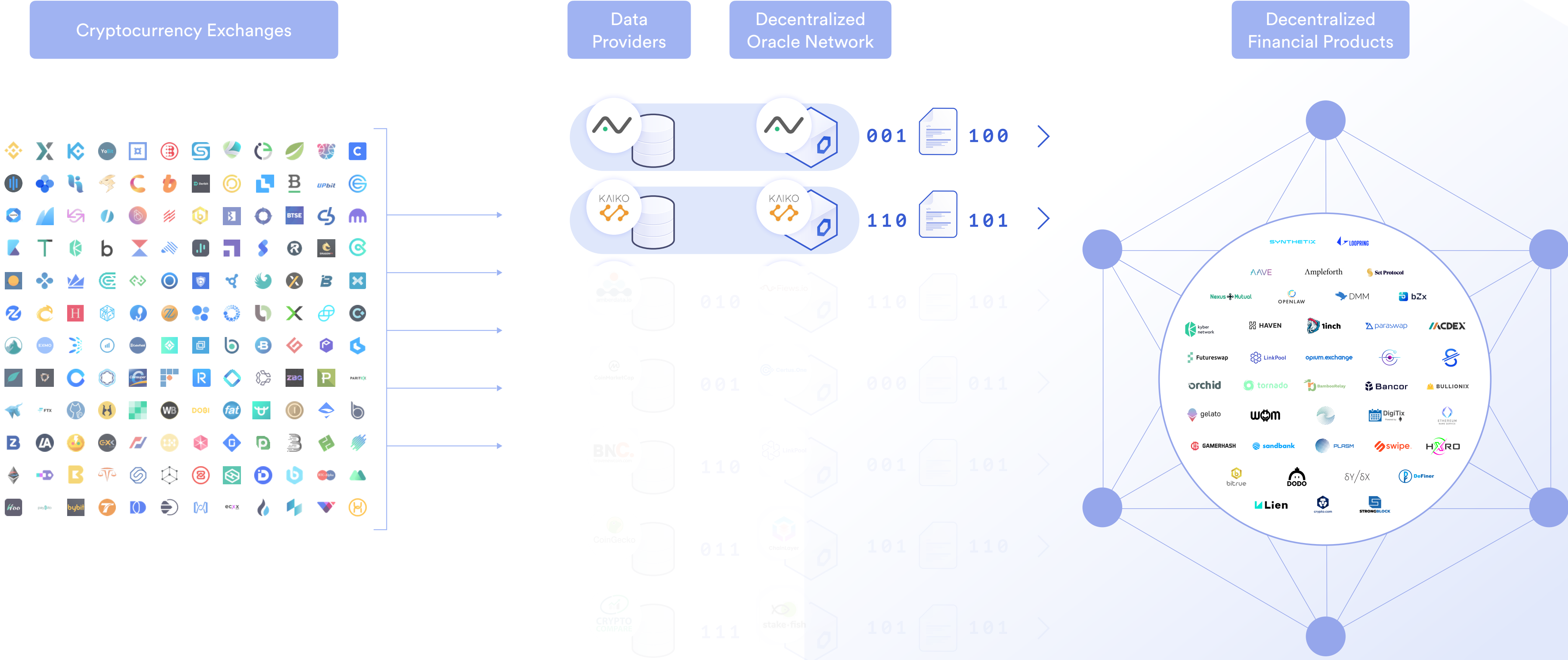
Composability Across Contracts is Rapidly Increasing



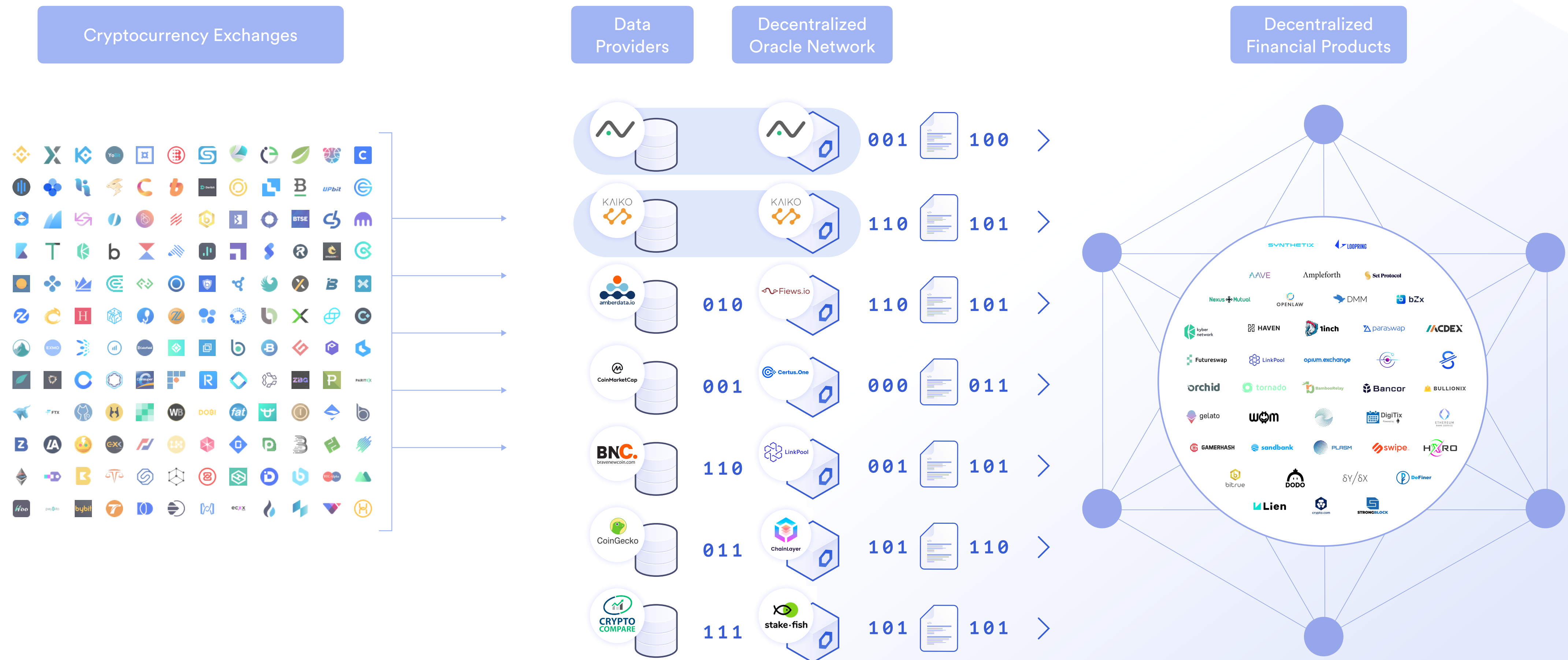
Truly Decentralized Finance via Decentralized Oracles



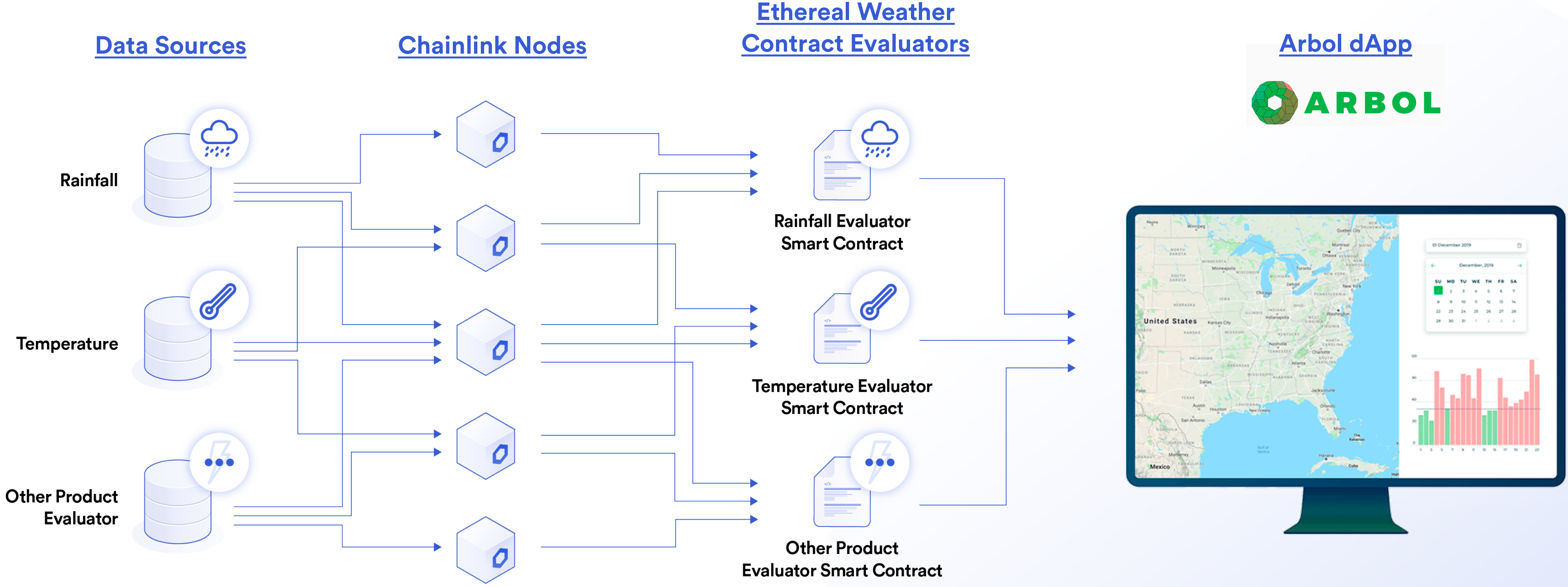
Data Providers Directly Signing Their Data On-chain



A Decentralized Network of Nodes and Data Sources



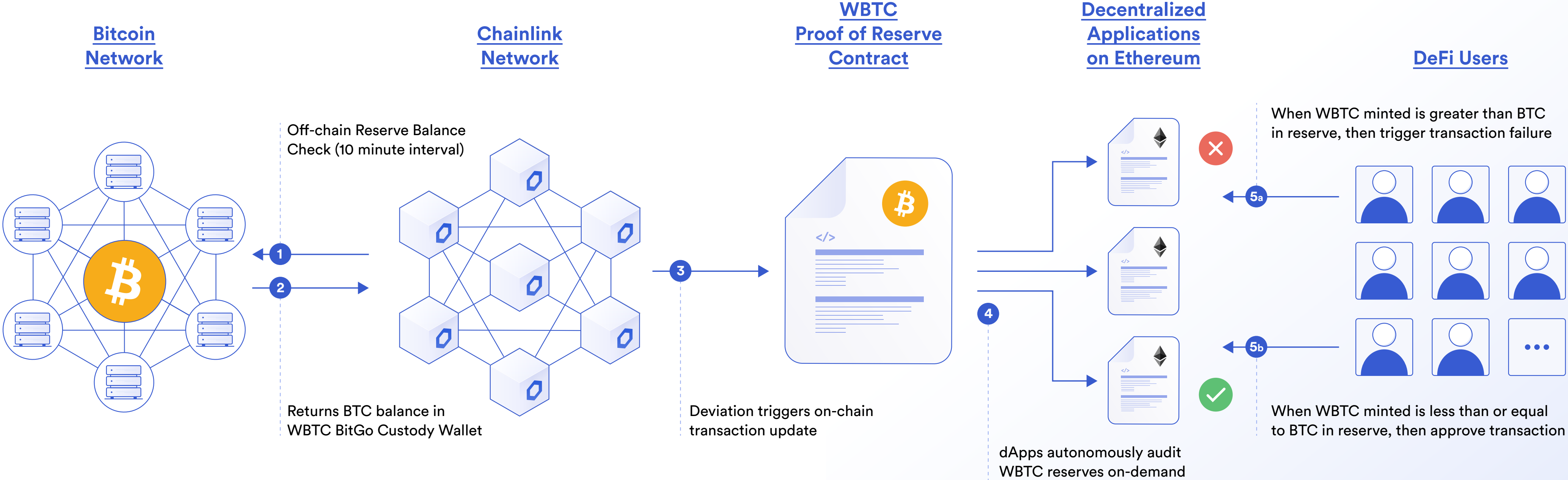
Weather Data Enables Smart Contract Crop Insurance



Providing Randomness to Enable Blockchain Gaming



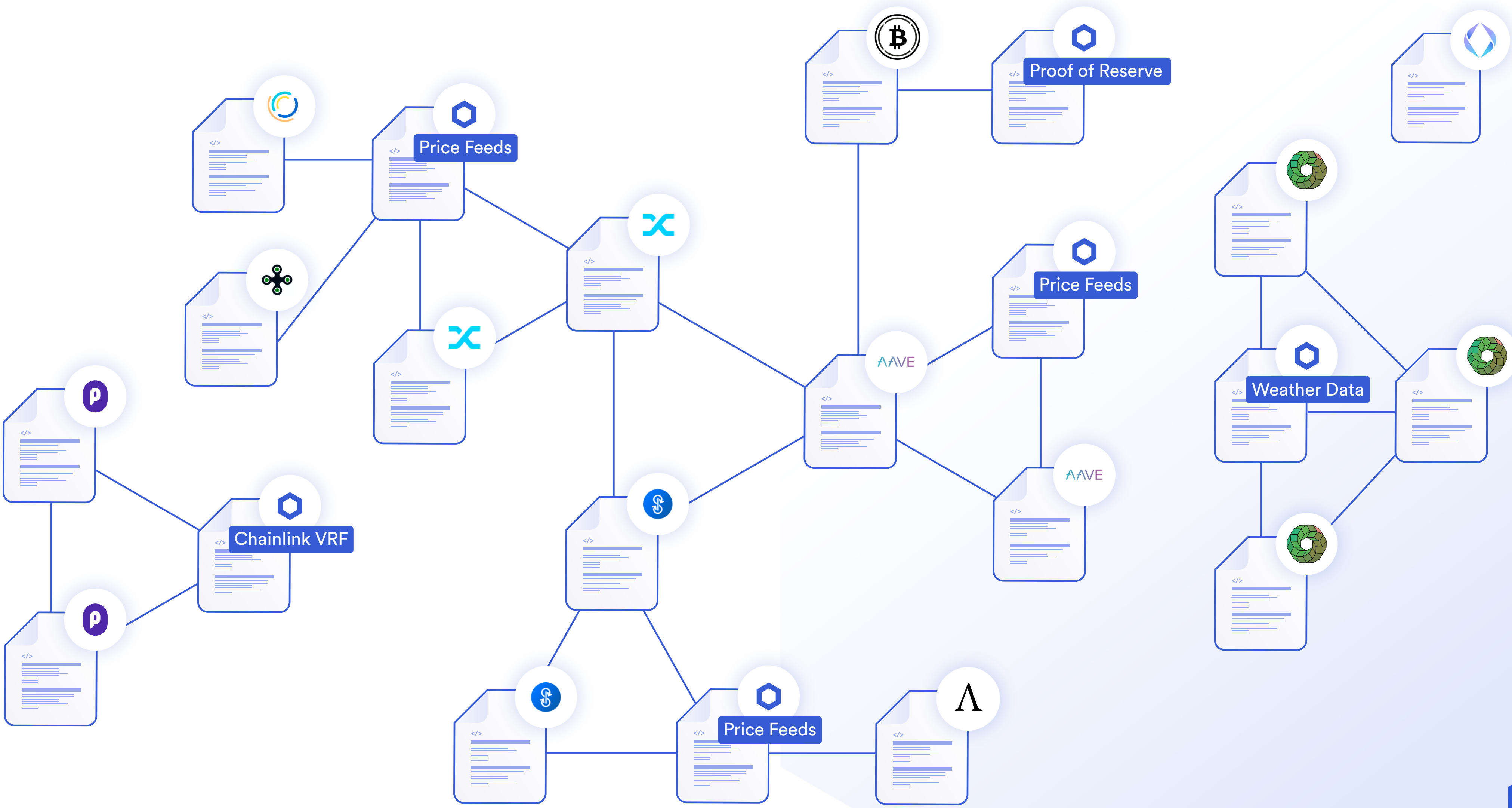
Providing Proof of Reserve to Prove an Asset's Status



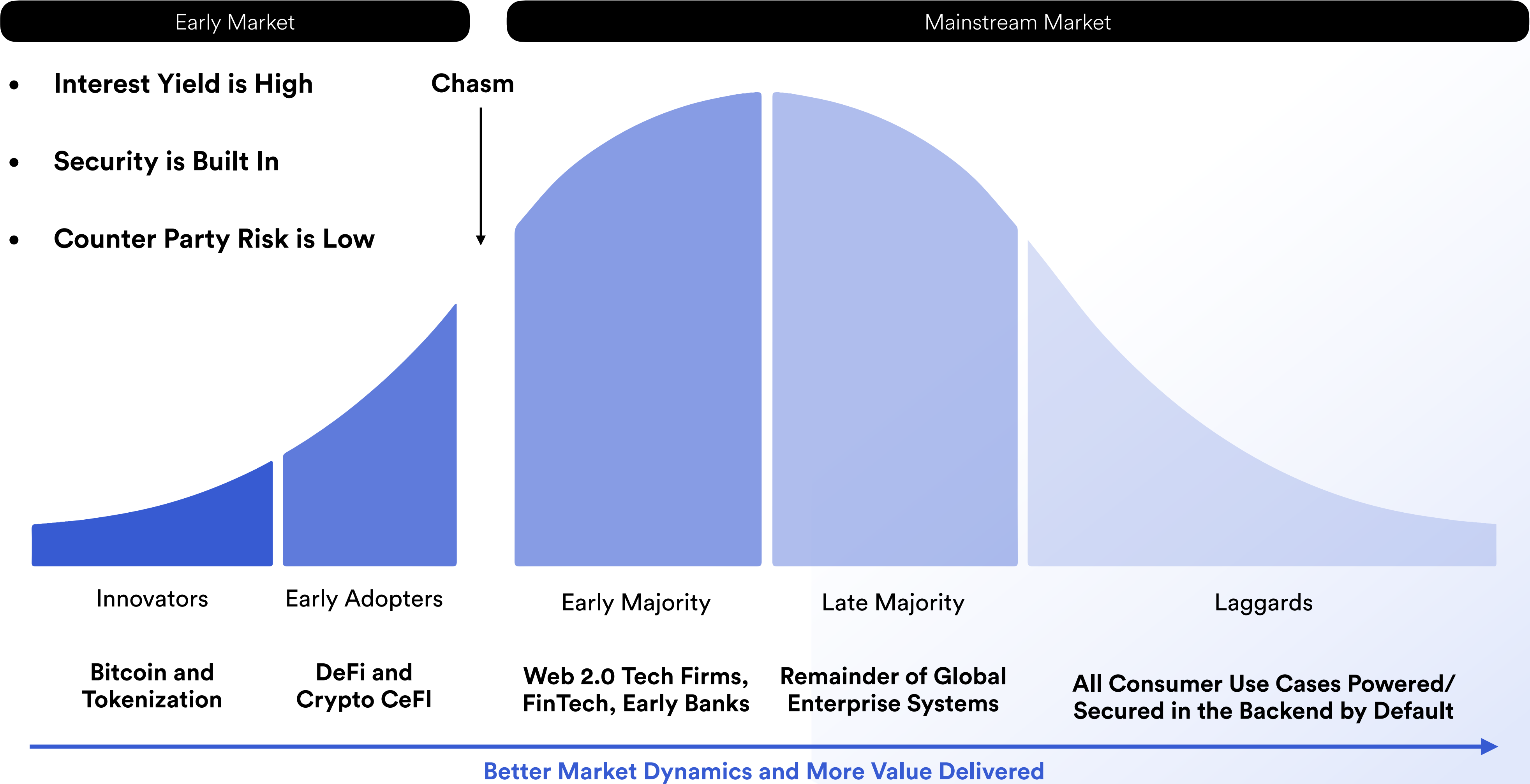
Over \$1.25Bn in Wrapped BTC



Composability is Rapidly Increasing Across Contracts



Decentralized Finance Needs to Gain Larger Adoption



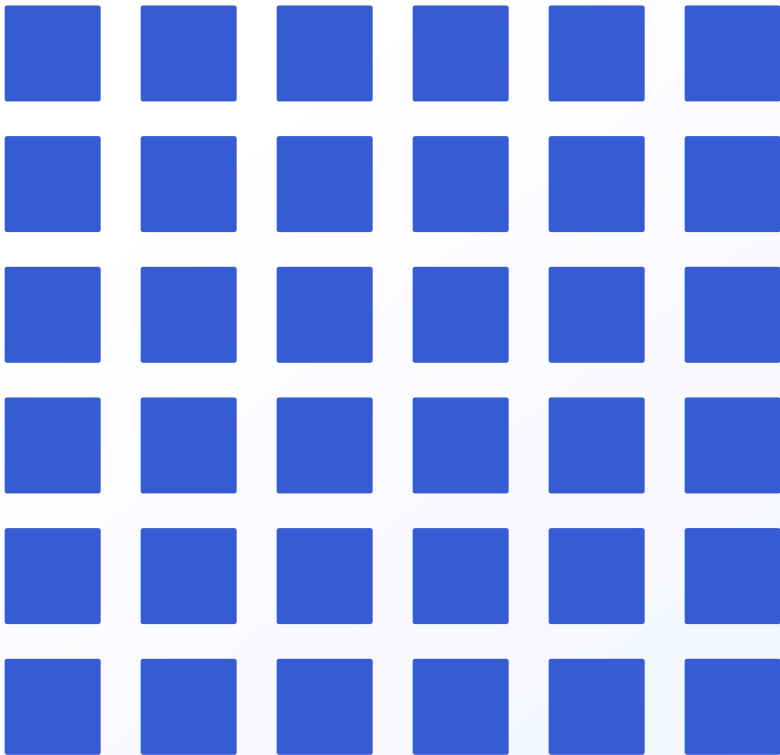
https://en.wikipedia.org/wiki/Crossing_the_Chasm

DeFi is Still Only 2.5% of All Value in Cryptocurrency

DeFi



Cryptocurrency



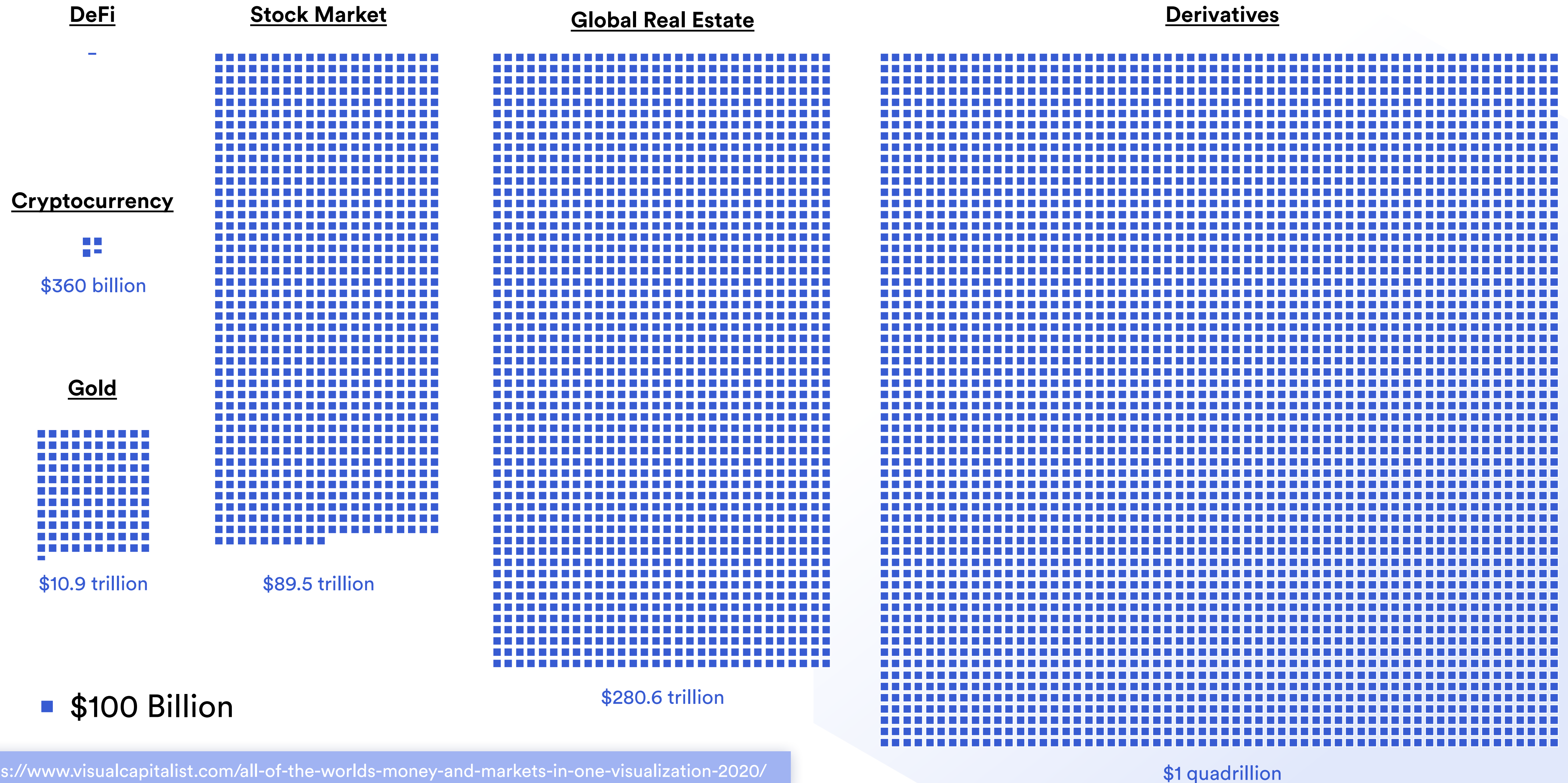
High Interest Yields



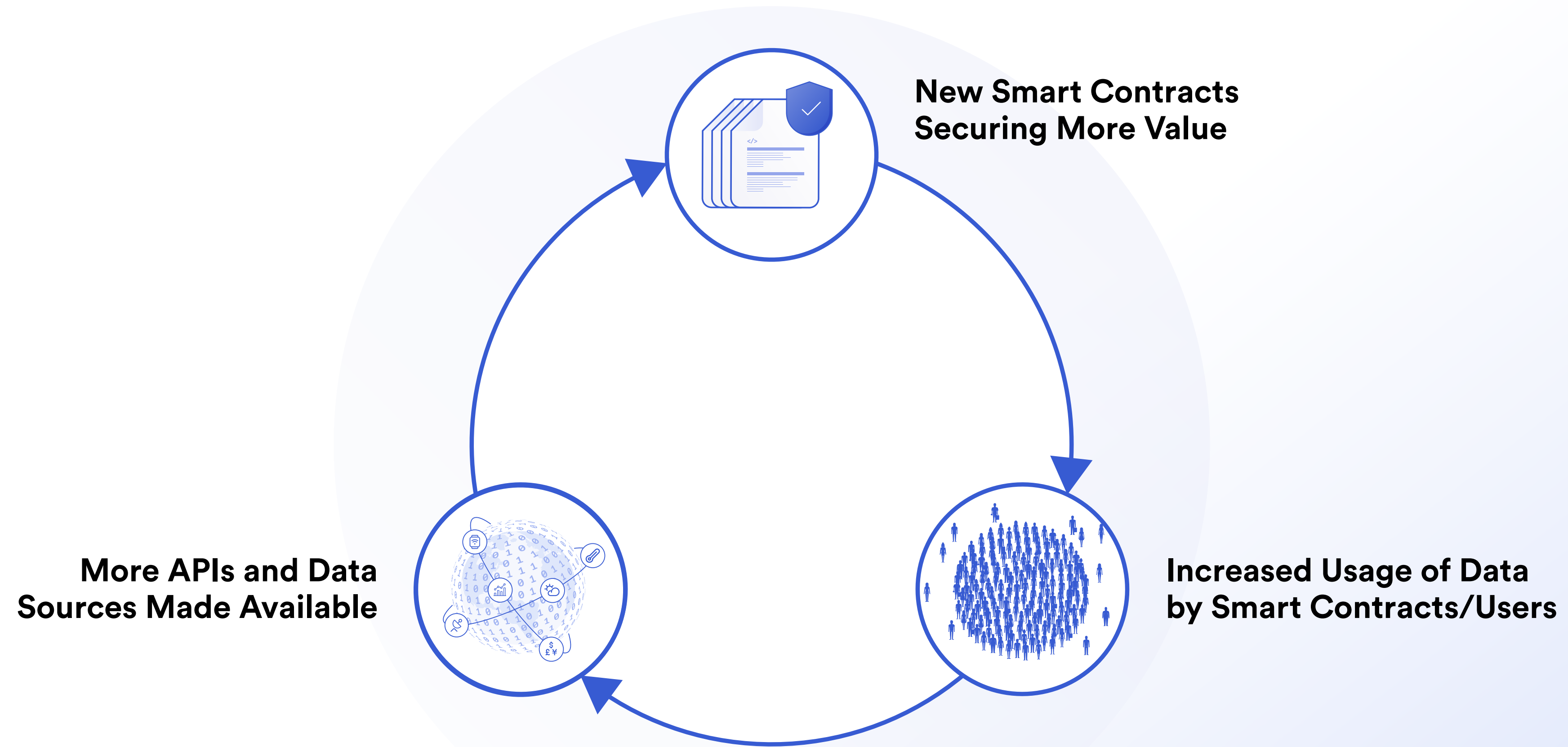
\$360 billion

■ \$10 Billion

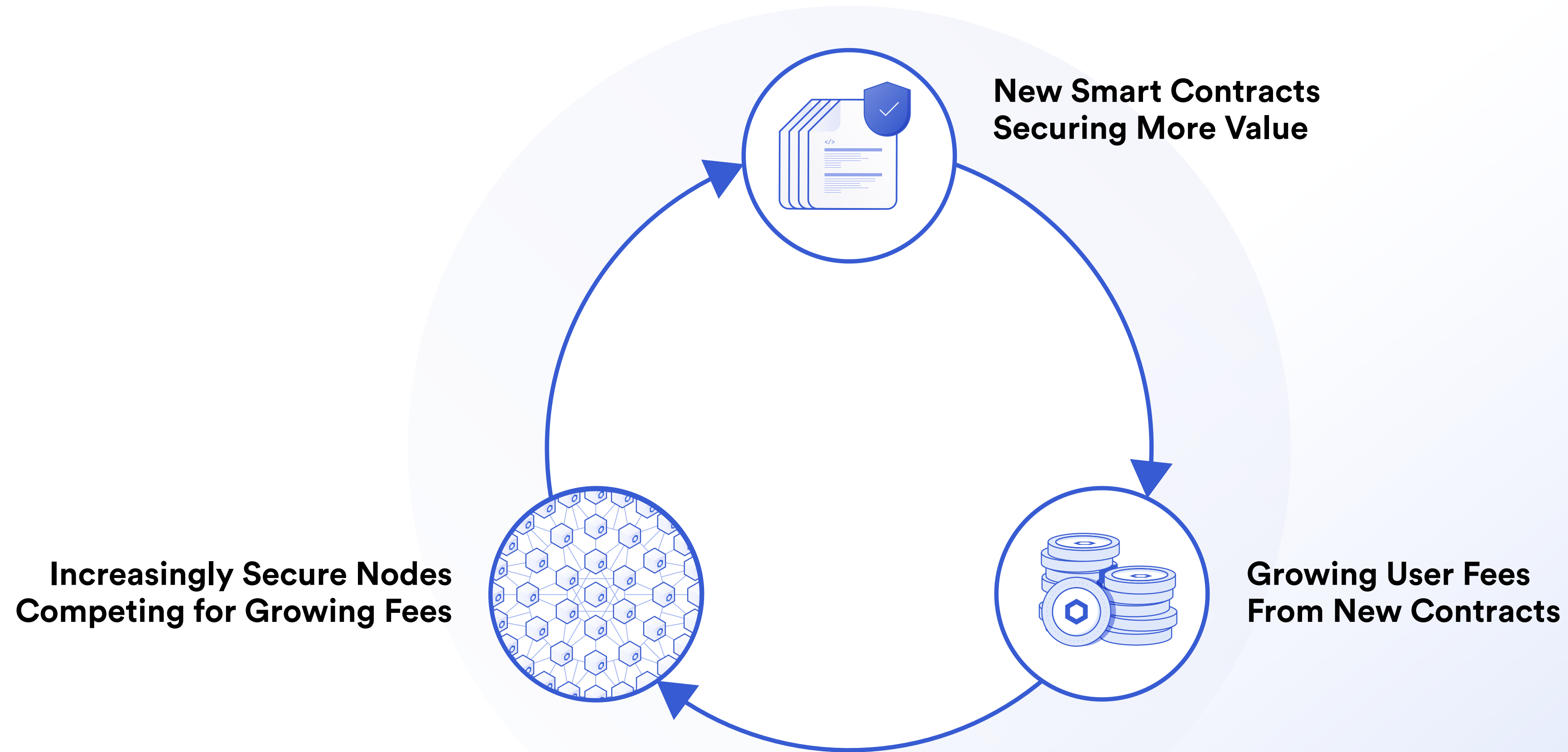
The Remaining Market For Smart Contracts is Trillions



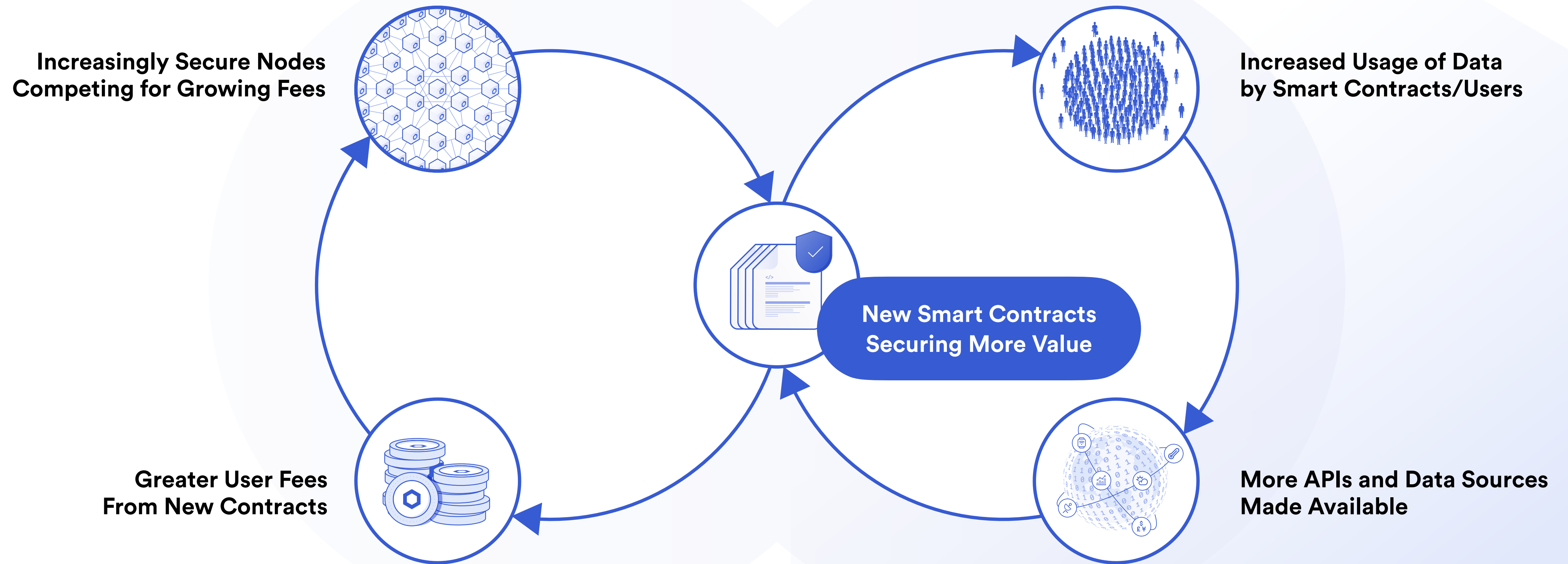
Greater Usage of Data Drives More Data On-chain



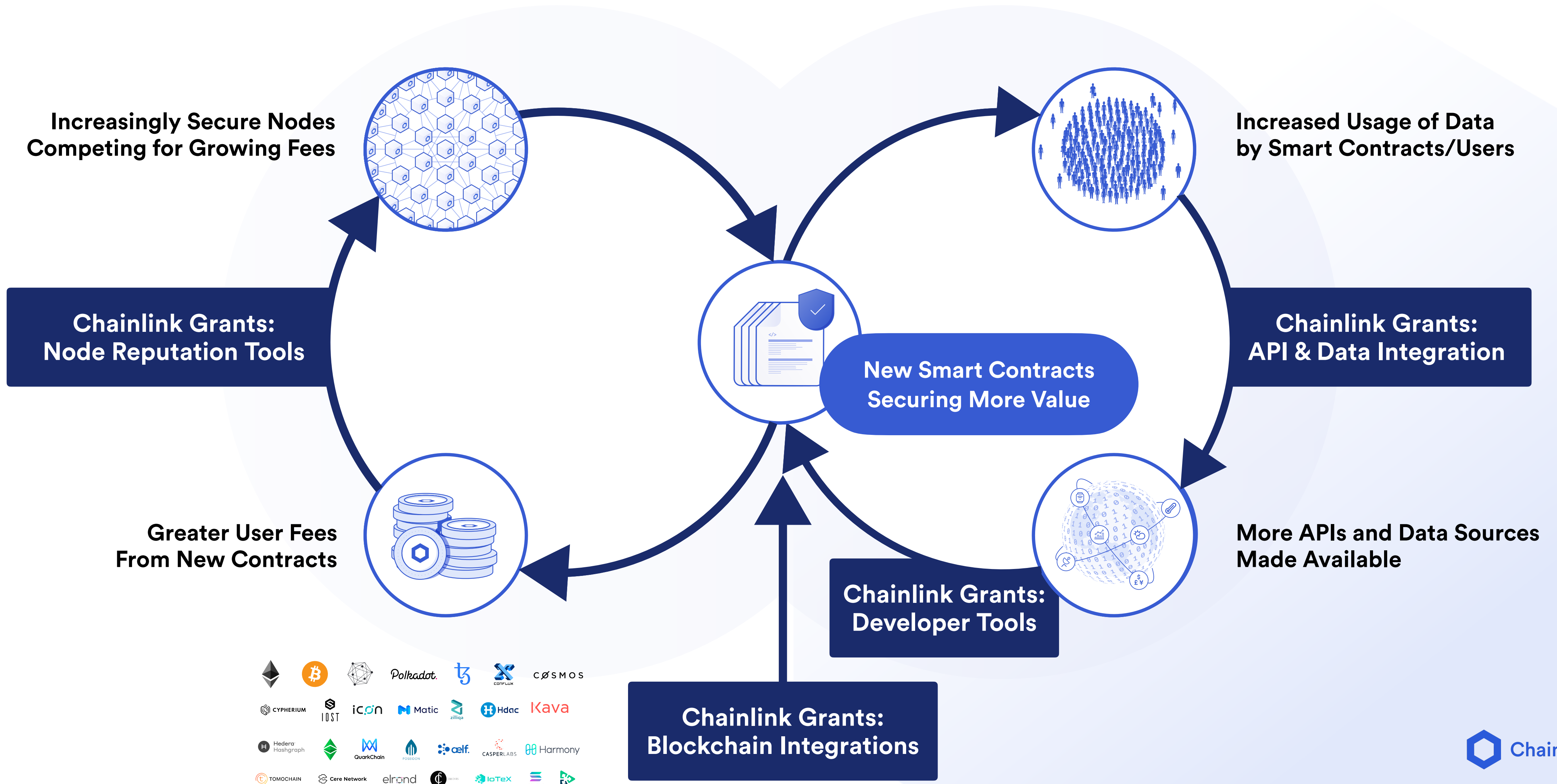
Greater User Fees Drive Greater Security Guarantees



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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