



# Chainlink Hackathon 2021

***The mind, once stretched by a new idea,  
never returns to its original dimensions.***

— Ralph Waldo Emerson

# Society's Growing Need for Trust is What We Can Solve

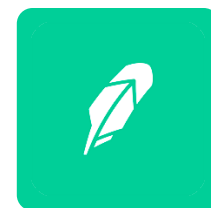
**Counterparty Risk:** the likelihood or probability that one of those involved in a transaction might default on its contractual obligation.



## Paper Guarantees (Brand Based)

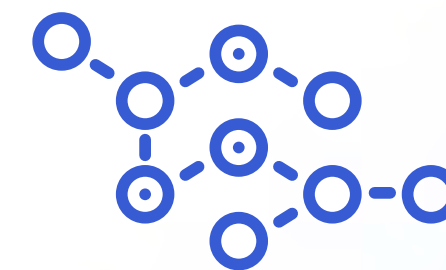


Trust my logo!



- Counterparty risk is high and opaque
- Transparency is purposefully removed
- Interest yields are low and going lower

## Cryptographic Guarantees (Math Based)



$$y^2 = x^3 + 7$$

- Counterparty risk is low and transparent
- Transparency is unavoidably built-in
- Interest yields are consistently high

# CeFi Financial Products Work Well in Predictable Conditions

Average  
Users



0 1 0 1 1 0 1 1



Centralized  
Finance



0 1 0 1 1 0 1 1



Global Financial  
Markets



**Market***Watch*

Robinhood day traders are squeezing the hedge funds — here's why it may continue



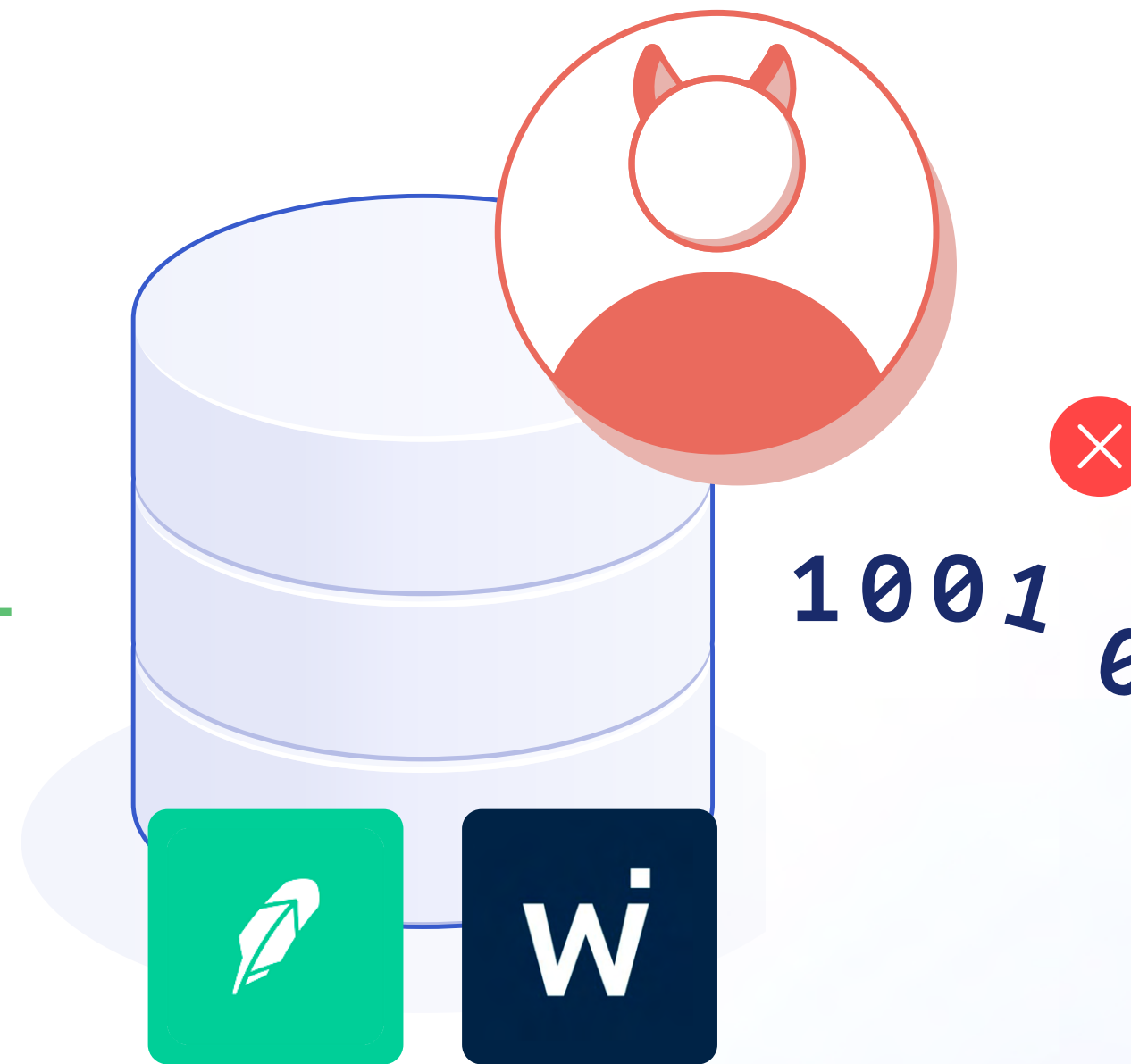
# CeFi Financial Products Will Not Support the Average User

Average Users



0 1 0 1 1 0 1 1 ✓

Centralized Finance



1 0 0 1 ✗  
0  
1  
0  
0

Global Financial Markets



**VICE**

**Robinhood Stops Users From Trading GameStop Stocks, Other Reddit YOLO Picks**

# DeFi Completely Redefines a User's Relationship to Markets

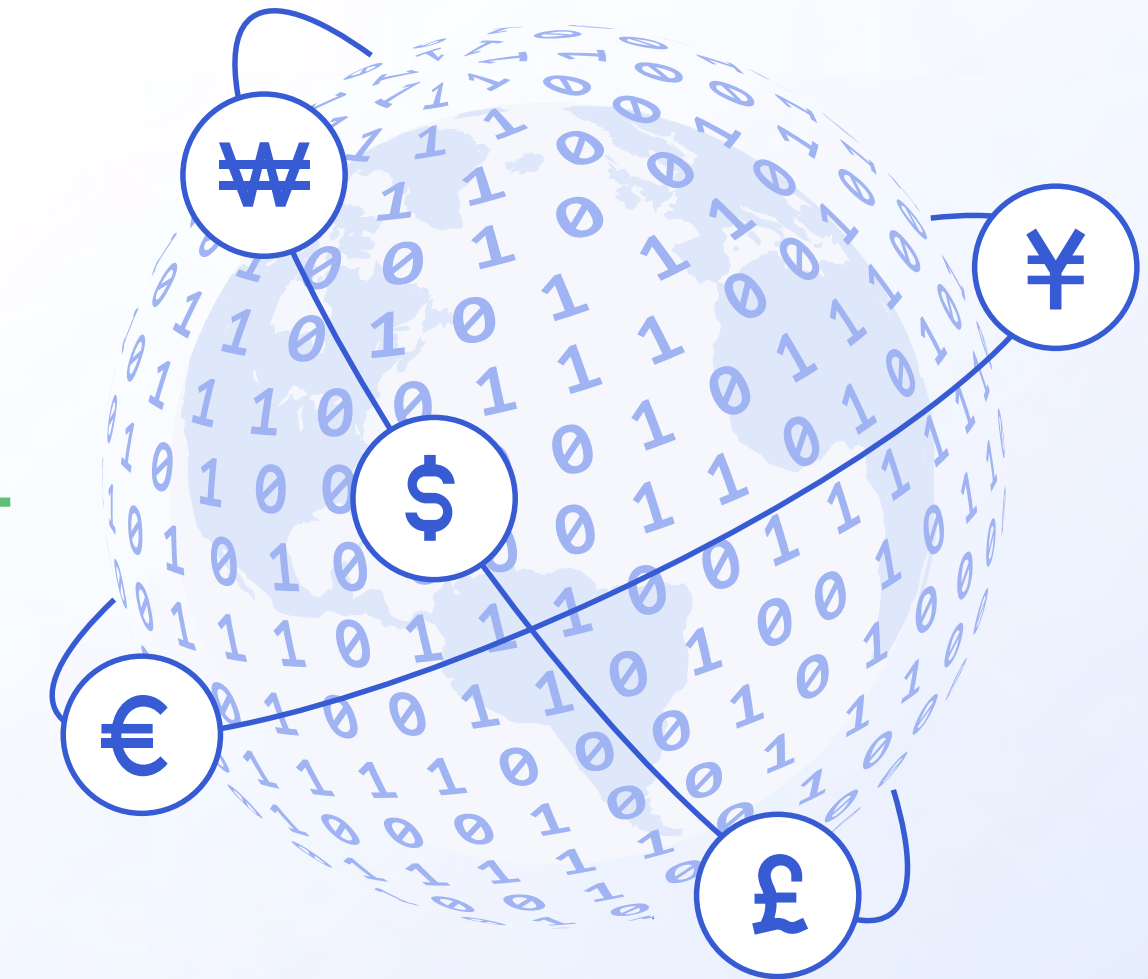
Average Users



Decentralized Finance



Global Financial Markets



0 1 0 1 1 0 1 1

0 1 0 1 1 0 1 1



**DeFi Trend: The Solution — and Huge Opportunity — to the Robinhood Fiasco**

# DeFi's Growth Is Driven by Smart Contracts + Chainlink


## Total Value Locked (USD) in DeFi

TVL (USD)



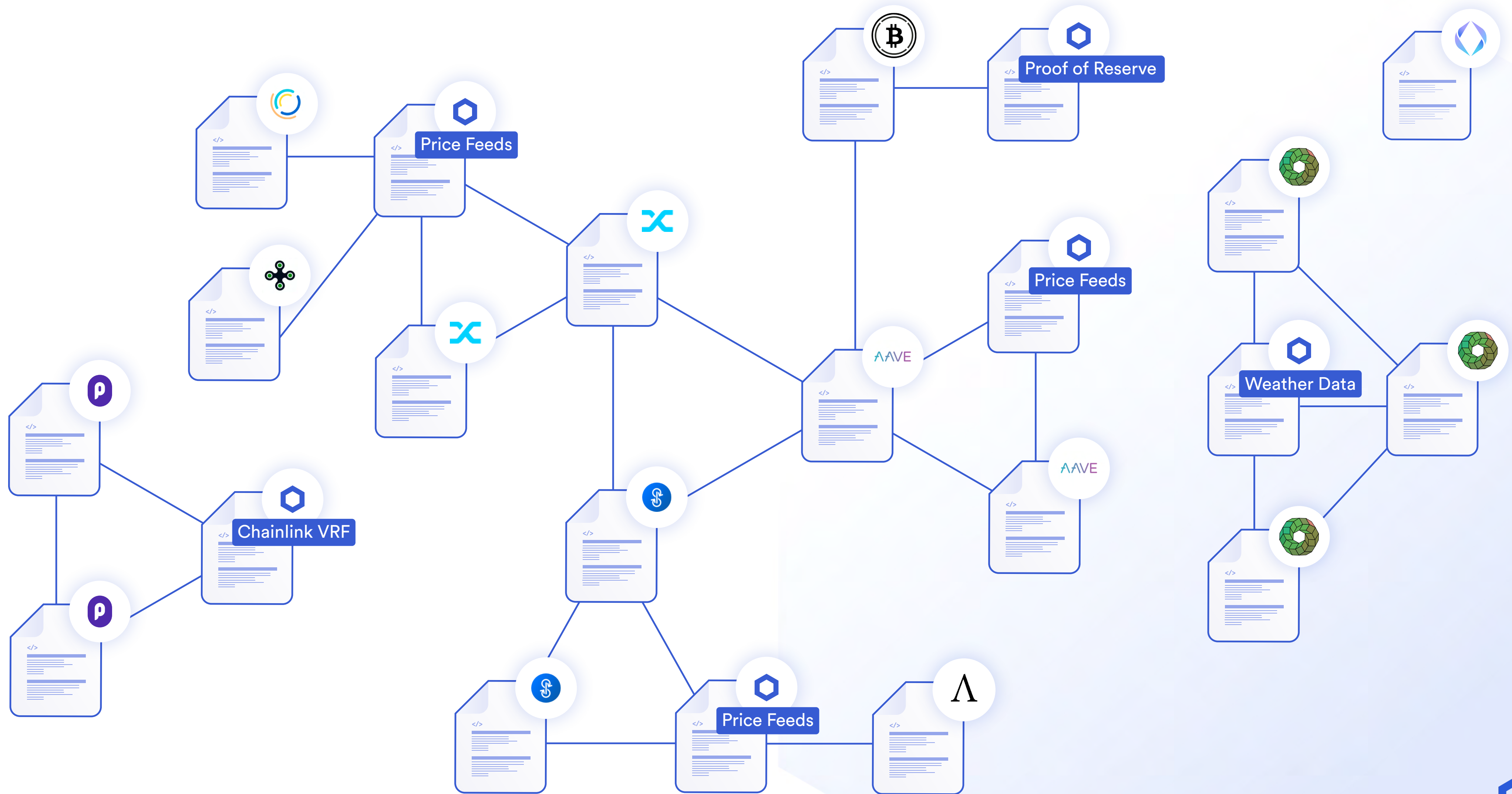
SYNTHETIX

AAVE

 yearn.finance

Nexus  Mutual

# Decentralized Finance Is Autonomous On-chain Services





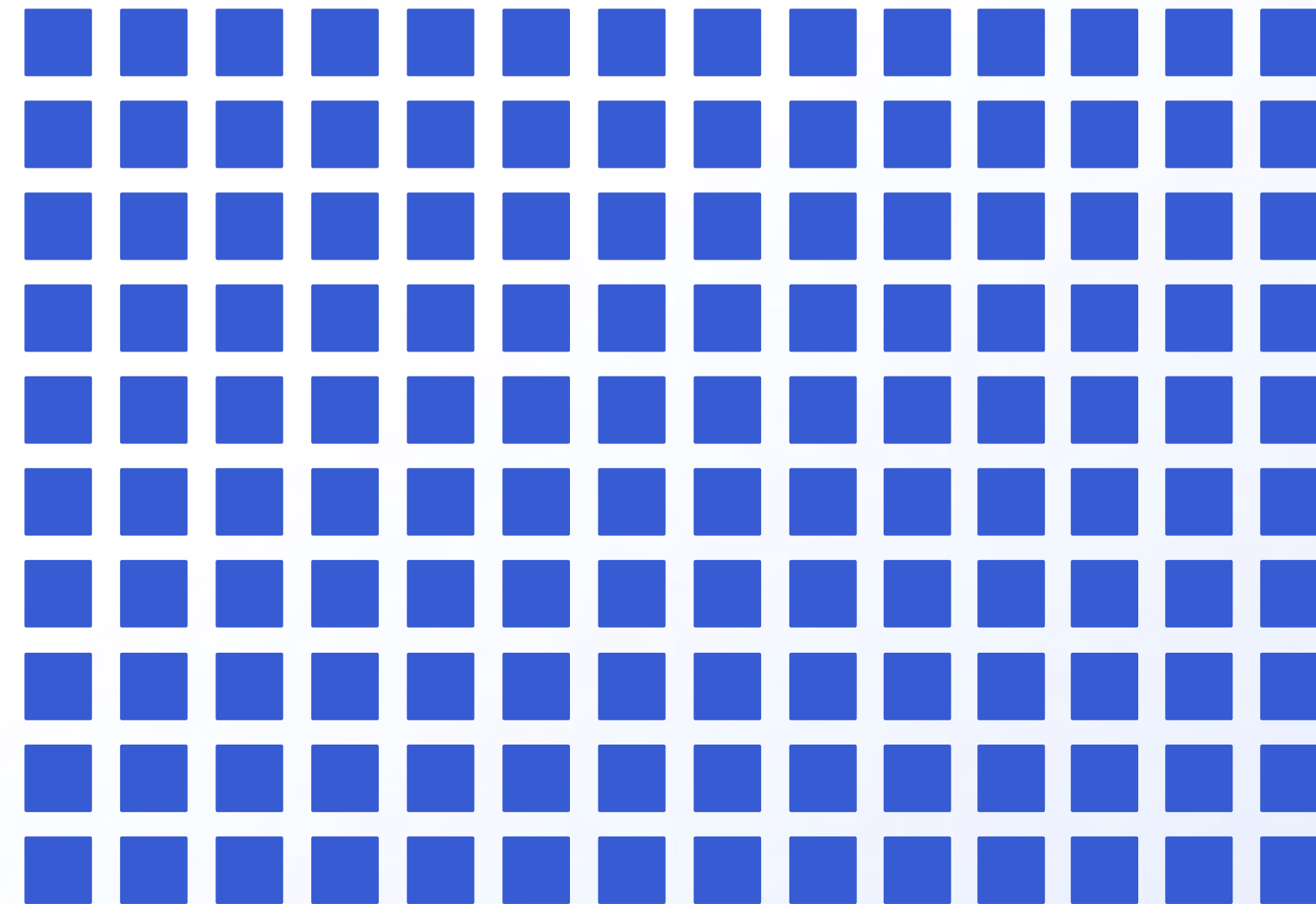
# DeFi is Still Only ~2.6% of All Value in Cryptocurrency

DeFi



\$37 billion

Cryptocurrency



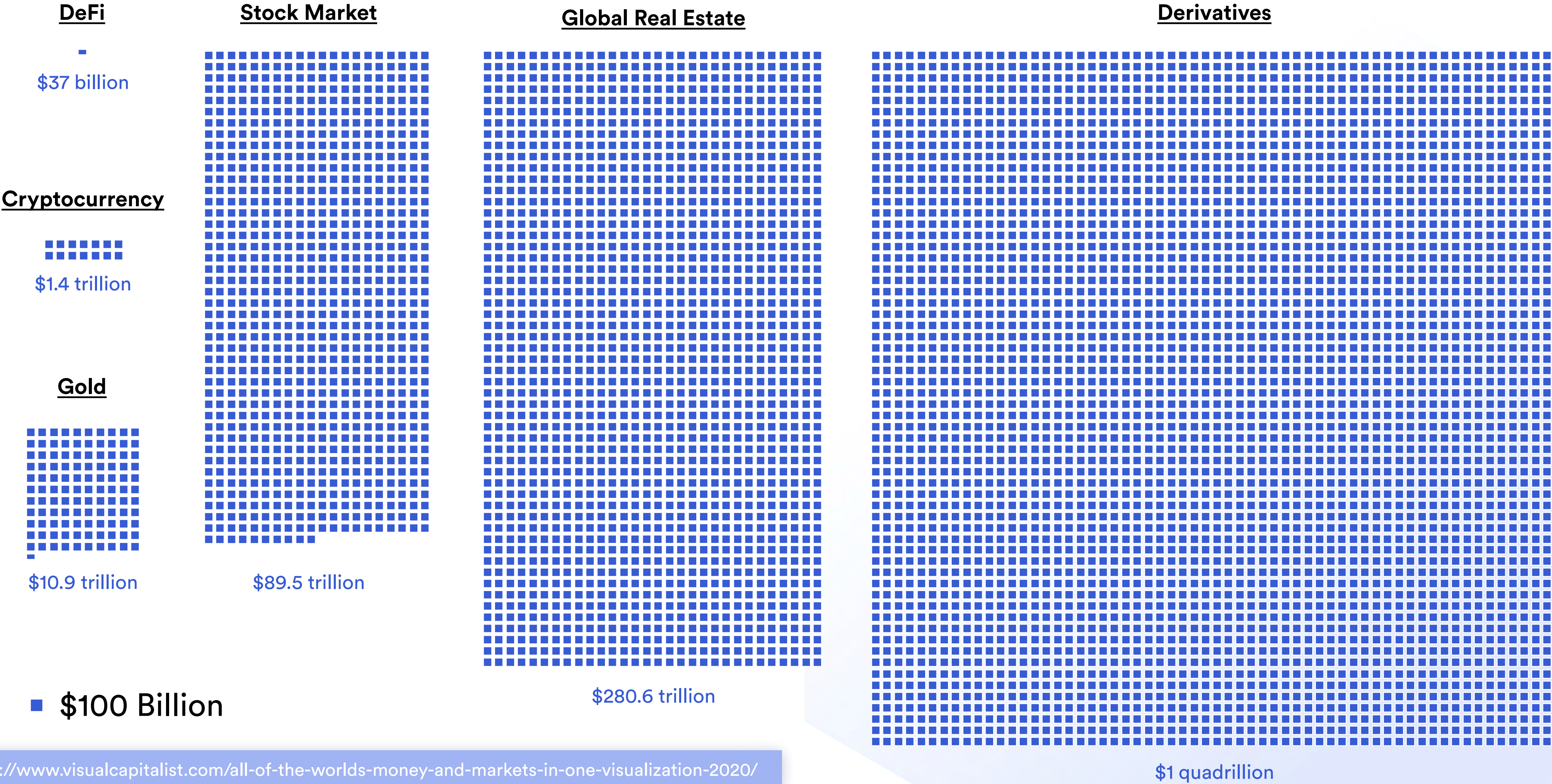
\$1.4 trillion

Full Transparency +  
High Annual Yield

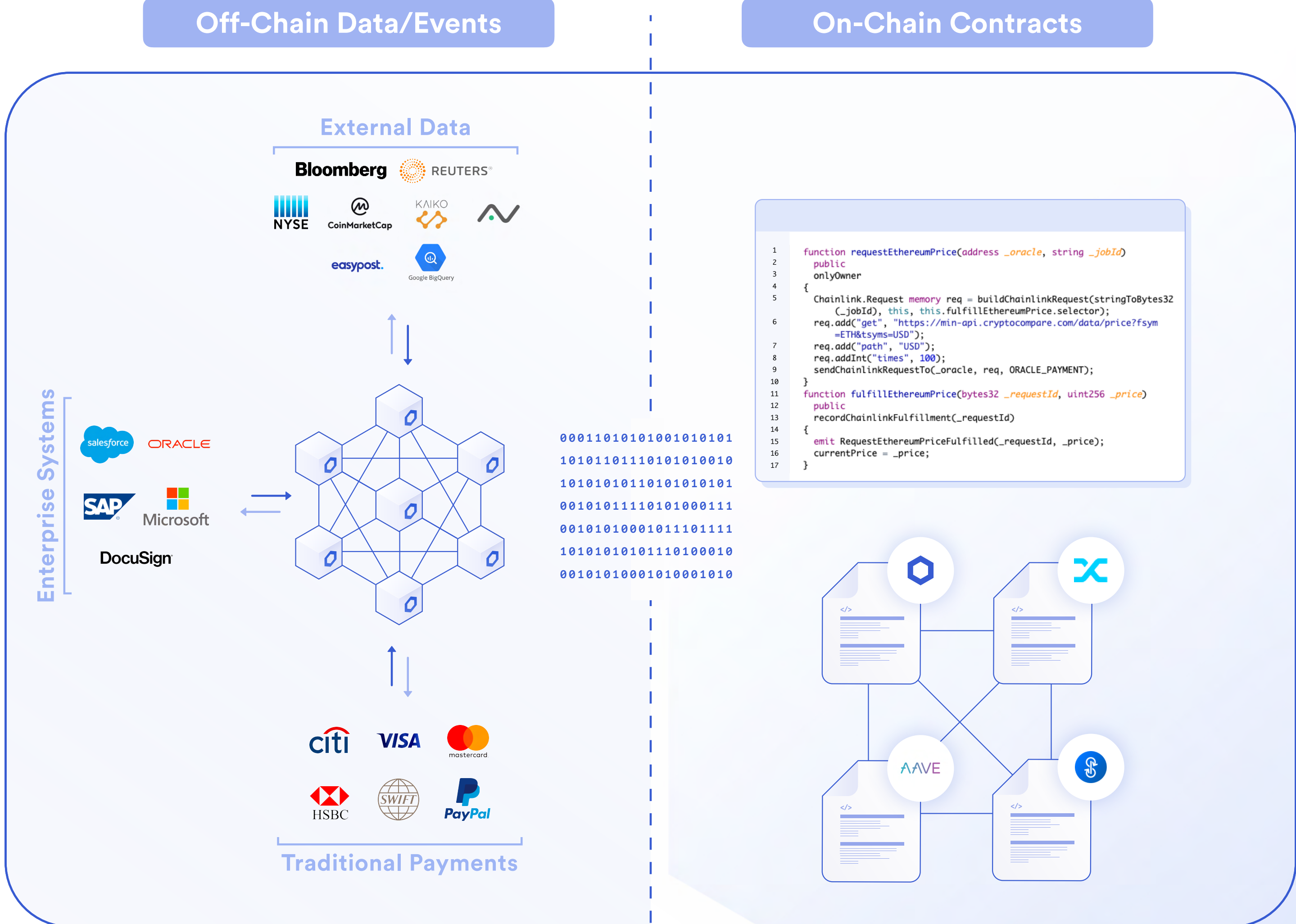


■ \$10 Billion

# The Remaining Market For Smart Contracts is Trillions



# Providing Any/All Off-chain Resources to Contracts



# Chainlink Decentralized Services Provide Tools for Trust

## Highly Validated Data

### Price and Market Data



## Chainlink Network



### DeFi Contracts + CeFi

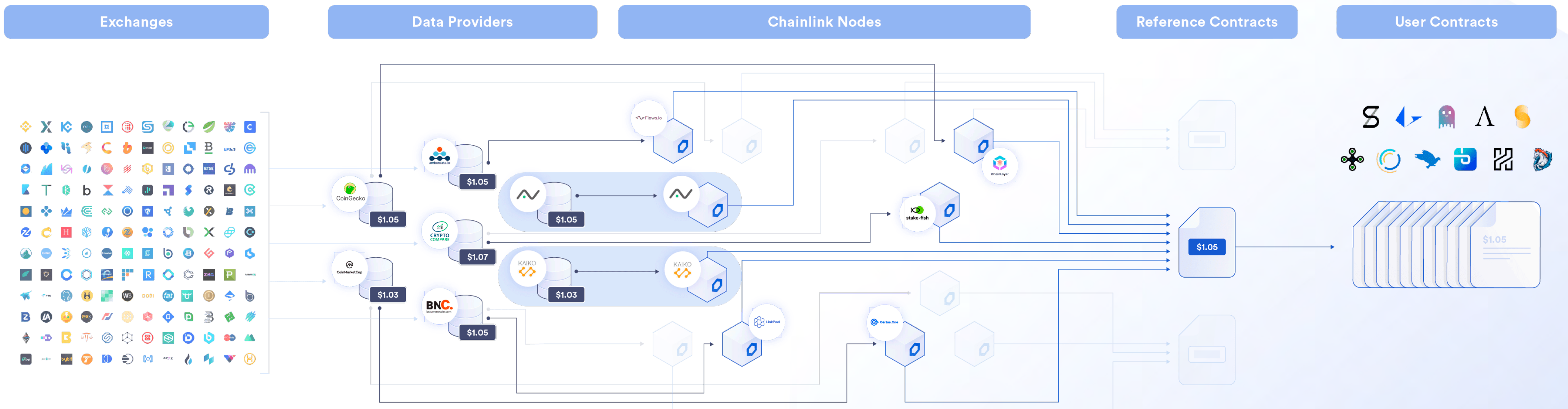


Global Finance Industry





# Decentralized Data Feeds Enable Decentralized Finance



# Decentralized Data Feeds

The screenshot shows the Chainlink Data homepage. At the top, there's a search bar with the text "Try 'Ethereum' or 'Eth'". Below it, a section titled "Cryptocurrencies" displays a grid of 16 price feed cards. Each card shows a currency pair, its price, status (Active), and a list of sponsors. The currencies shown include ETH/USD, BTC/USD, LINK/ETH, LINK/USD, ZRX/ETH, AAVE/ETH, BAT/ETH, BTC/ETH, KNC/ETH, LRC/ETH, MANA/ETH, and MKR/ETH.

Currency Pair	Price	Status
ETH / USD	\$1,789.23	Active
BTC / USD	\$56,653.64	Active
LINK / ETH	Ξ0.015330	Active
LINK / USD	\$27.5190	Active
ZRX / ETH	Ξ0.0007542738	Active
AAVE / ETH	Ξ0.2111498449	Active
BAT / ETH	Ξ0.00042616	Active
BTC / ETH	Ξ31.6711	Active
KNC / ETH	Ξ0.00117516	Active
LRC / ETH	Ξ0.0003043352	Active
MANA / ETH	Ξ0.000570	Active
MKR / ETH	Ξ1.1418	Active

This screenshot shows the detailed view of the ETH/USD price feed. It features a "Trusted answer" of \$1,789.23 and a "Request price feed" button. Below this is a grid of 21 oracles, each with a status indicator (Responded or Awaiting response) and a price. A legend at the bottom of the grid explains the status indicators. Below the oracles, there's an "ENS address" field showing "eth-usd.data.eth". At the bottom, a line chart displays the price history of ETH/USD.

Oracle	Price	Status
Oracle 1	\$1,788.82	Responded
Oracle 2	\$1,789.16	Responded
Oracle 3	\$1,789.16	Responded
Oracle 4	\$1,792.05	Responded
Oracle 5	\$1,789.41	Responded
Oracle 6	\$1,789.25	Responded
Oracle 7	\$1,789.84	Responded
Oracle 8	\$1,789.84	Responded
Oracle 9	\$1,788.23	Responded
Oracle 10	\$1,788.84	Responded
Oracle 11	\$1,790.19	Responded
Oracle 12	\$1,788.87	Responded
Oracle 13	\$1,789.16	Responded
Oracle 14	\$1,789.16	Responded
Oracle 15	\$1,789.23	Responded
Oracle 16	\$1,789.76	Responded
Oracle 17	\$1,788.87	Responded
Oracle 18	\$1,789.25	Responded
Oracle 19	\$1,788.87	Responded
Oracle 20	\$1,789.25	Responded
Oracle 21	\$1,789.25	Responded

data.chain.link



# Chainlink Decentralized Services Provide Tools for Trust

## Highly Validated Data

### Price and Market Data



### Proof of Reserves



## Chainlink Network



### DeFi Contracts + CeFi



### Wrapped Assets

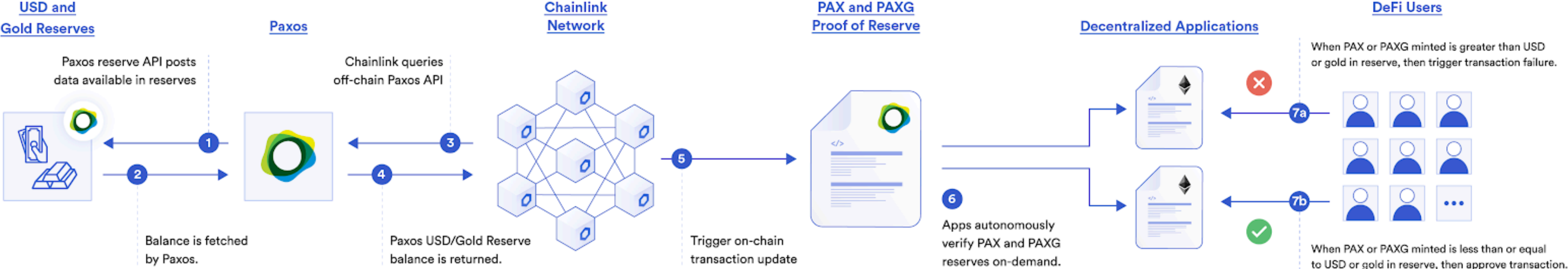


Global Finance Industry

Global Asset Management



# Custodians and Asset Managers are Adopting Chainlink





# Chainlink Decentralized Services Provide Tools for Trust

## Highly Validated Data

### Price and Market Data



### Proof of Reserves



### Insurance Data



## Chainlink Network



### DeFi Contracts + CeFi



### Wrapped Assets



### Insurance Contracts



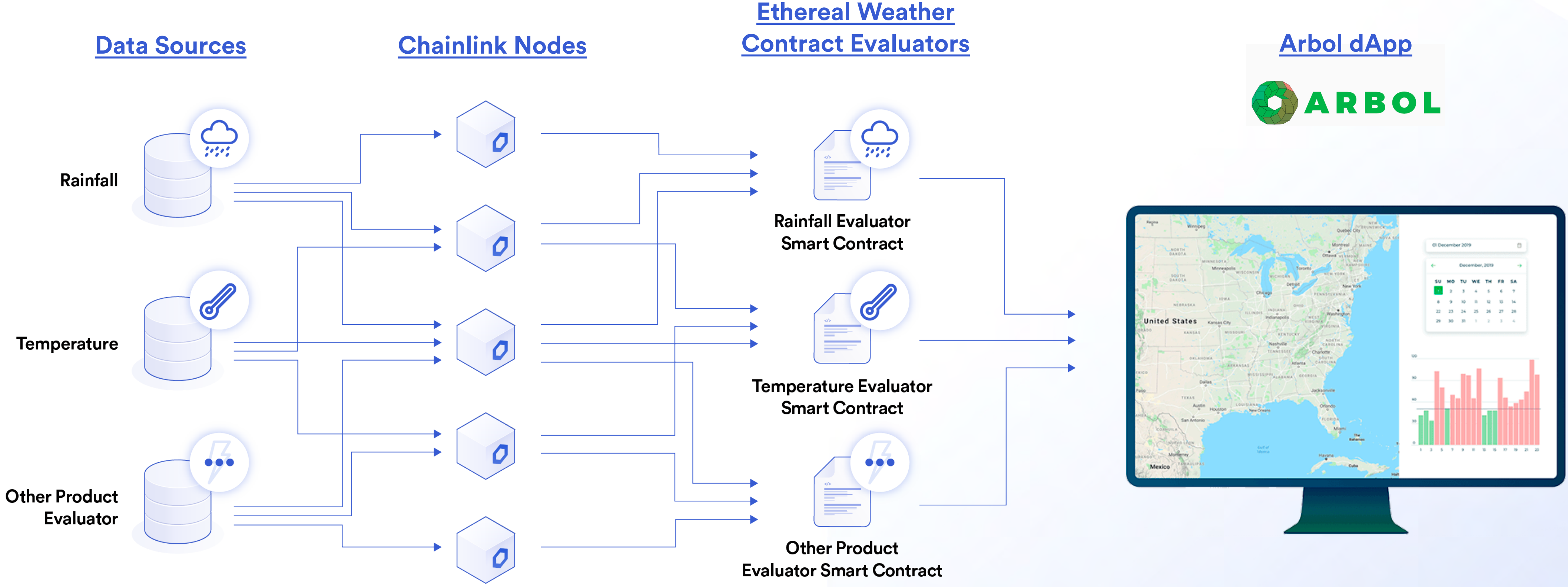
Global Finance Industry

Global Asset Management

Global Insurance Industry



# Weather Data Enables Smart Contract Crop Insurance



# Chainlink Decentralized Services Provide Tools for Trust

## Highly Validated Data

### Price and Market Data



### Proof of Reserves



### Insurance Data



### On-chain Data Marketplace



## Chainlink Network



### DeFi Contracts + CeFi



### Wrapped Assets



### Insurance Contracts



### New Smart Contracts



Global Finance Industry

Global Asset Management

Global Insurance Industry

Thousands of Additional Use Cases



# Chainlink Decentralized Services Provide Tools for Trust

## Highly Validated Data

### Price and Market Data



### Proof of Reserves



### Insurance Data



### On-chain Data Marketplace



## Trust Minimized Computation

### Verifiable Randomness



## Chainlink Network



### DeFi Contracts + CeFi



### Wrapped Assets



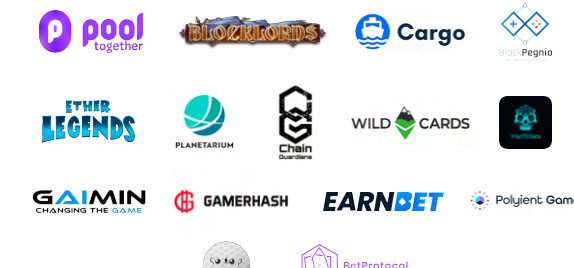
### Insurance Contracts



### New Smart Contracts



### Gaming Contracts



Global Finance Industry

Global Asset Management

Global Insurance Industry

Thousands of Additional Use Cases

Global Demand for Trust Minimized Computation



# Brand Based Contracts Failing

 **make it**

MONEY

## How the 'McMillions' scammers rigged McDonald's Monopoly game and stole \$24 million

Published Sun, Feb 9 2020 • 9:31 AM EST



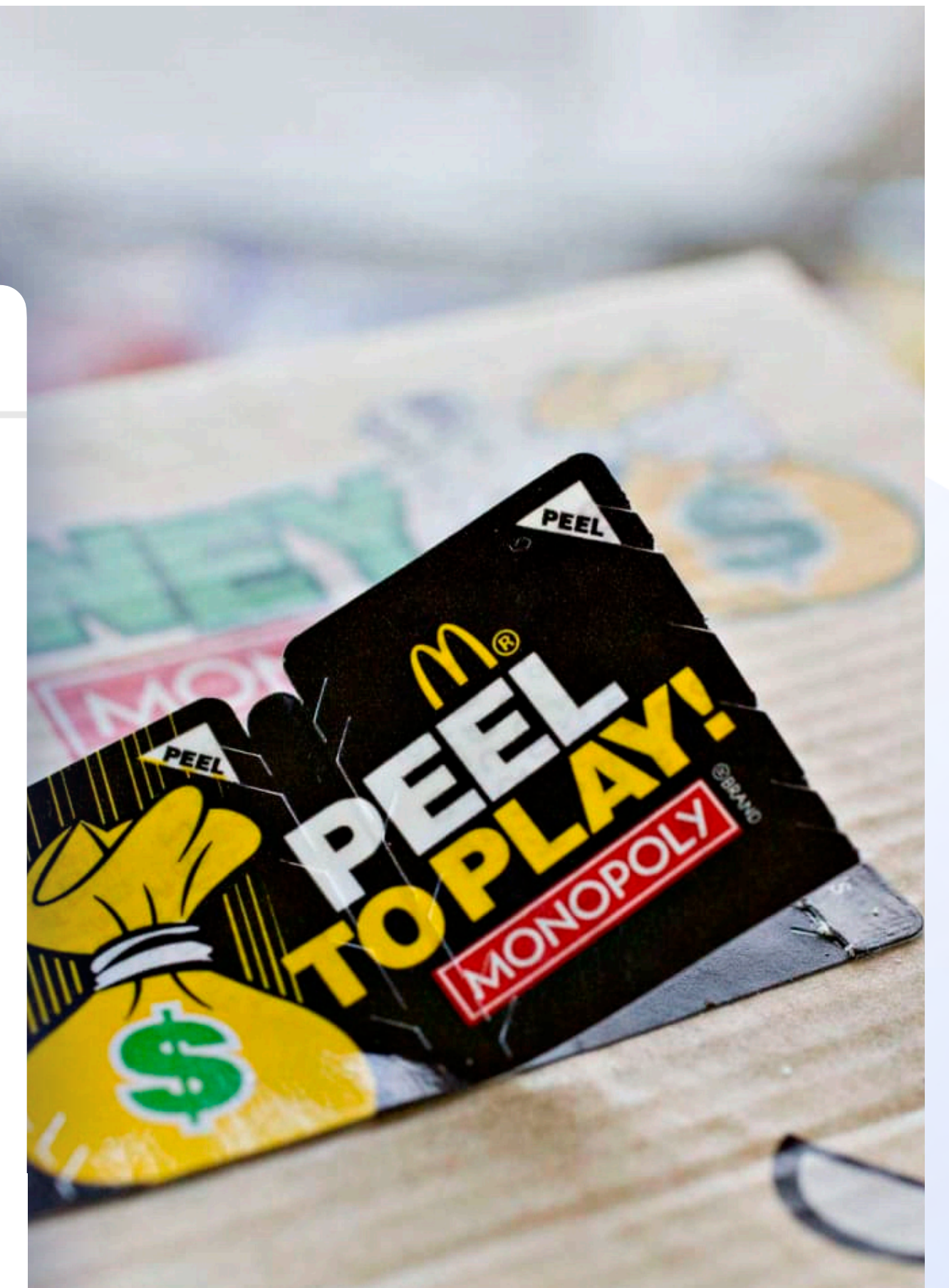
Tom Huddleston Jr.

A lot of people cheat at board games. But few fraudsters can compare to Jerome P. Jacobson's Monopoly scam that netted over \$24 million — and that's in real money.

The details of how Jacobson, a former police officer, pulled off a multimillion-dollar scam include a national McDonald's

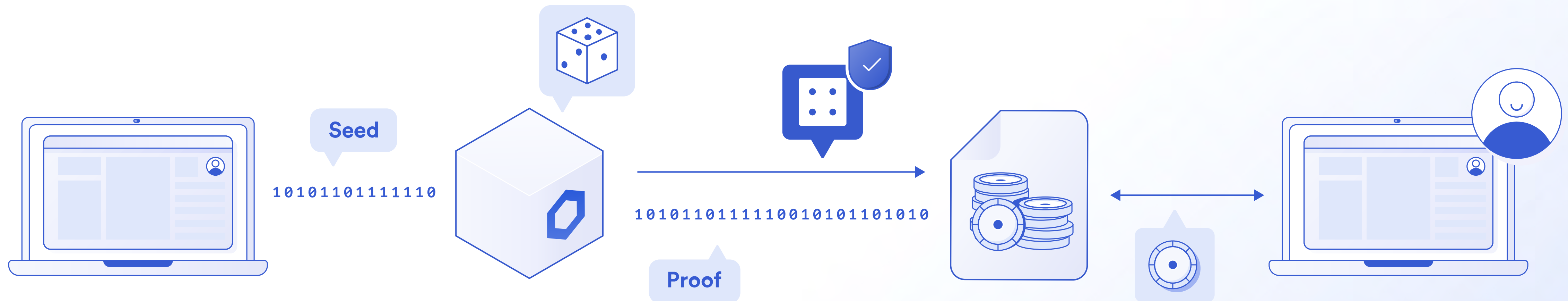
promotion and a stealthy heist that found Jacobson sneaking into an airport bathroom stall to swap out handfuls of winning McDonald's

<https://www.cnbc.com/2020/02/07/how-mcmillions-scam-rigged-the-mcdonalds-monopoly-game.html>

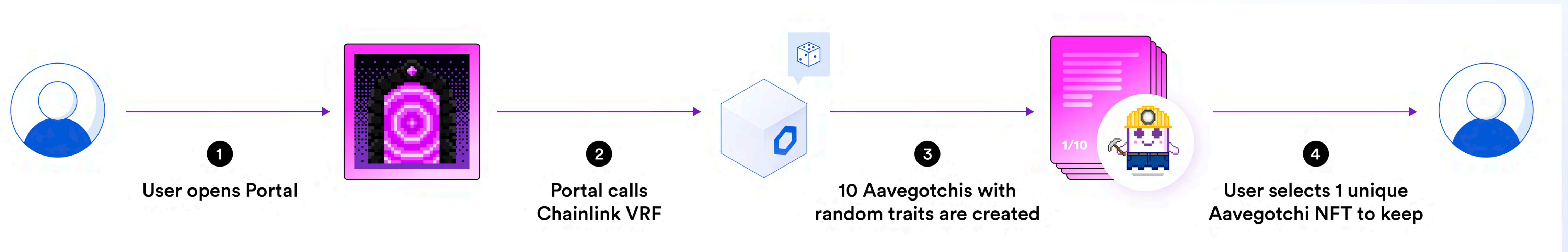




# Verifiable Randomness that Is Provably Fair to Users



# Verifiable Randomness is Key to Being Provably Rare





# Chainlink Decentralized Services Provide Tools for Trust

## Highly Validated Data

### Price and Market Data



### Proof of Reserves



### Insurance Data



### On-chain Data Marketplace



## Trust Minimized Computation

### Verifiable Randomness



### Keepers/Maintenance Bots



## Chainlink Network



### DeFi Contracts + CeFi



### Wrapped Assets



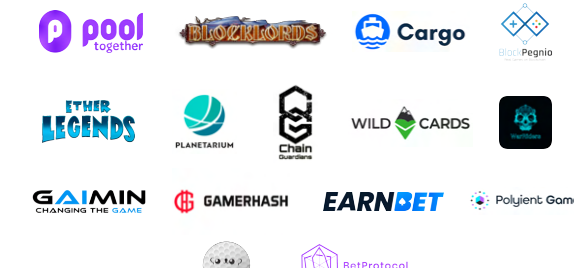
### Insurance Contracts



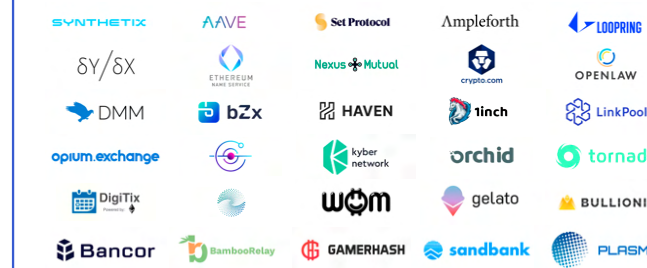
### New Smart Contracts



### Gaming Contracts



### DeFi Contracts



Global Finance Industry

Global Asset Management

Global Insurance Industry

Thousands of Additional Use Cases

Global Demand for Trust Minimized Computation

# Chainlink Decentralized Services Provide Tools for Trust

## Highly Validated Data

### Price and Market Data



### Proof of Reserves



### Insurance Data



### On-chain Data Marketplace



## Trust Minimized Computation

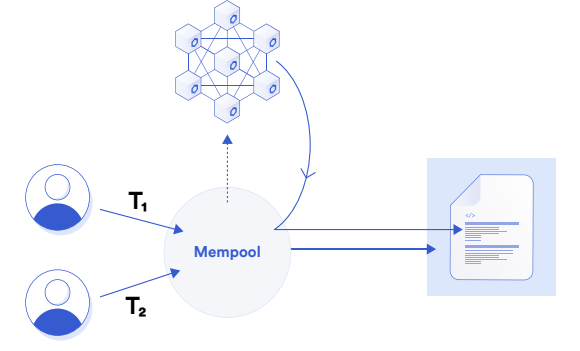
### Verifiable Randomness



### Keepers/Maintenance Bots



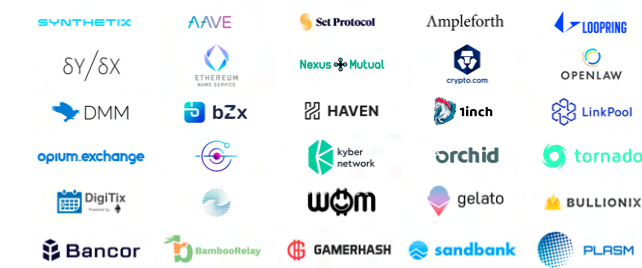
### Expanded Computation



## Chainlink Network



### DeFi Contracts + CeFi



### Wrapped Assets



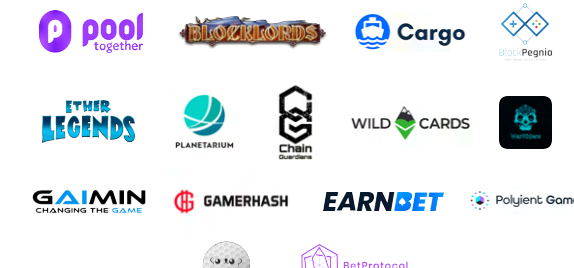
### Insurance Contracts



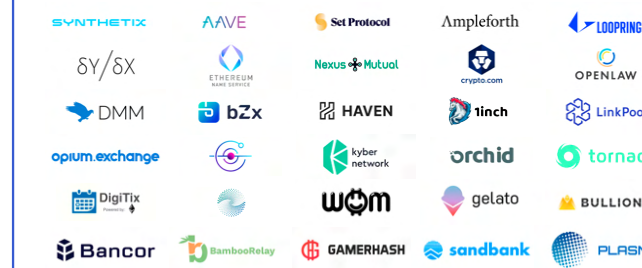
### New Smart Contracts



### Gaming Contracts



### DeFi Contracts



### DeFi Contracts



Global Finance Industry

Global Asset Management

Global Insurance Industry

Thousands of Additional Use Cases

Global Demand for Trust Minimized Computation



# 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](https://chainlinklabs.com/careers)



# Chainlink is Expanding into New Data and Computation

## Highly Validated Data

### Price and Market Data



## Chainlink Network



### DeFi Contracts + CeFi



Global Finance Industry



# Chainlink is Expanding into New Data and Computation

## Highly Validated Data

### Price and Market Data



### Proof of Reserves



## Chainlink Network



### DeFi Contracts + CeFi



### Wrapped Assets



Global Finance Industry

Global Asset Management

# Chainlink is Expanding into New Data and Computation

## Highly Validated Data

Price and Market Data	Proof of Reserves	Insurance Data

FE-Systems LinkPool Validation Capital Chainlink Network ZTAKE SNZ Certus.One

DeFi Contracts + CeFi	Wrapped Assets	Insurance Contracts





# Chainlink is Expanding into New Data and Computation

## Highly Validated Data

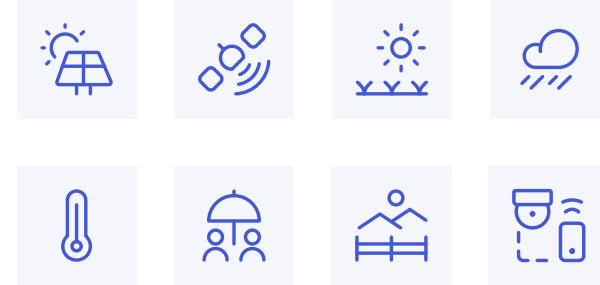
### Price and Market Data



### Proof of Reserves



### Insurance Data



### On-chain Data Marketplace



## Chainlink Network



### DeFi Contracts + CeFi



### Wrapped Assets



### Insurance Contracts



### New Smart Contracts



Millions of new smart contracts



Global Finance Industry

Global Asset Management

Global Insurance Industry

Thousands of Additional Use Cases

# Chainlink is Expanding into New Data and Computation

## Highly Validated Data

### Price and Market Data



### Proof of Reserves



### Insurance Data



### On-chain Data Marketplace



## Trust Minimized Computation

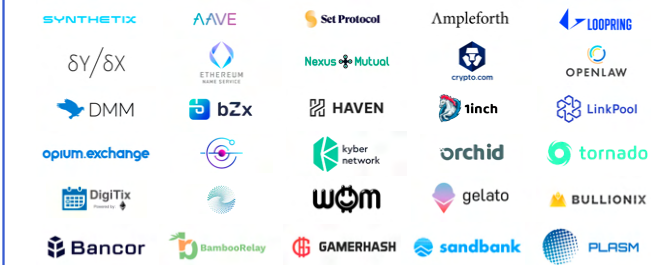
### Verifiable Randomness



## Chainlink Network



### DeFi Contracts + CeFi



### Wrapped Assets



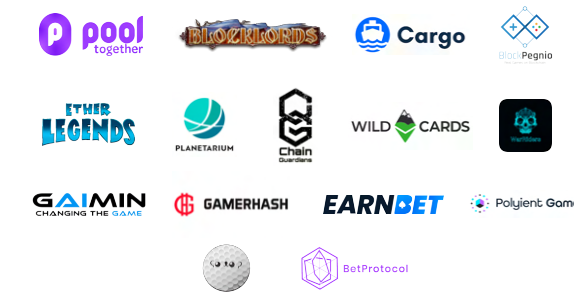
### Insurance Contracts



### New Smart Contracts



### Gaming Contracts



Global Finance Industry

Global Asset Management

Global Insurance Industry

Thousands of Additional Use Cases

Global Demand for Trust Minimized Computation

# Chainlink is Expanding into New Data and Computation

## Highly Validated Data

### Price and Market Data



### Proof of Reserves



### Insurance Data



### On-chain Data Marketplace



## Trust Minimized Computation

### Verifiable Randomness



### Keepers/Maintenance Bots



## Chainlink Network



### DeFi Contracts + CeFi



### Wrapped Assets



### Insurance Contracts

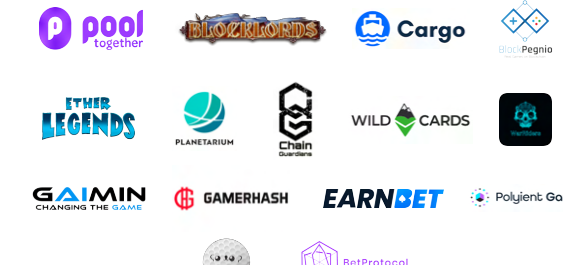


### New Smart Contracts



Millions of new smart contracts

### Gaming Contracts



### DeFi Contracts



Global Finance Industry

Global Asset Management

Global Insurance Industry

Thousands of Additional Use Cases

Global Demand for Trust Minimized Computation



# Chainlink is Expanding into New Data and Computation

## Highly Validated Data

### Price and Market Data



### Proof of Reserves



### Insurance Data



### On-chain Data Marketplace



## Trust Minimized Computation

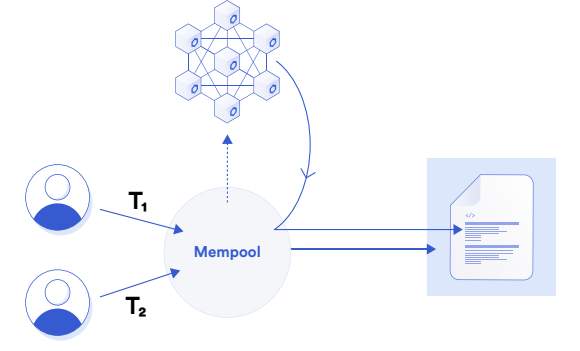
### Verifiable Randomness



### Keepers/Maintenance Bots



### Expanded Computation



## Chainlink Network



### DeFi Contracts + CeFi



### Wrapped Assets



### Insurance Contracts

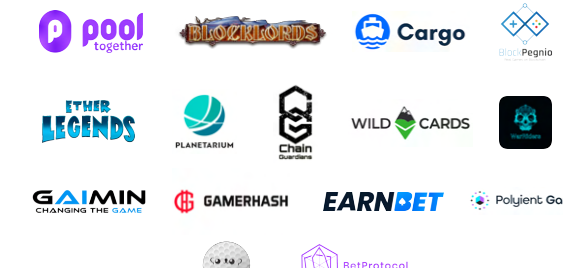


### New Smart Contracts



Millions of new smart contracts

### Gaming Contracts



### DeFi Contracts



### DeFi Contracts



Global Finance Industry

Global Asset Management

Global Insurance Industry

Thousands of Additional Use Cases

Global Demand for Trust Minimized Computation

# 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.