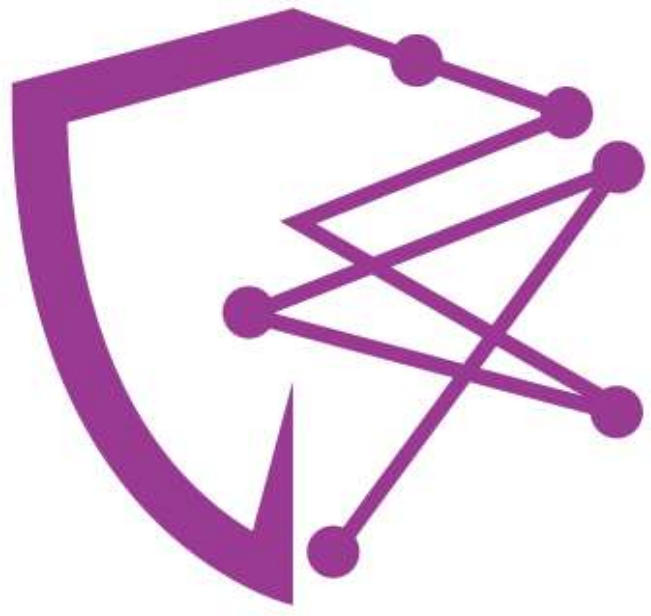


UbiVault

Fabric to Secure Distributed Networks

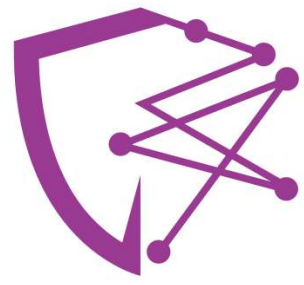
O V E R V I E W



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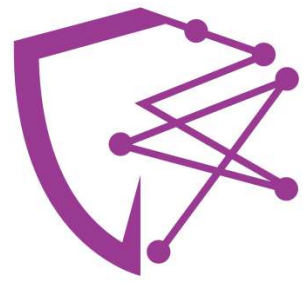
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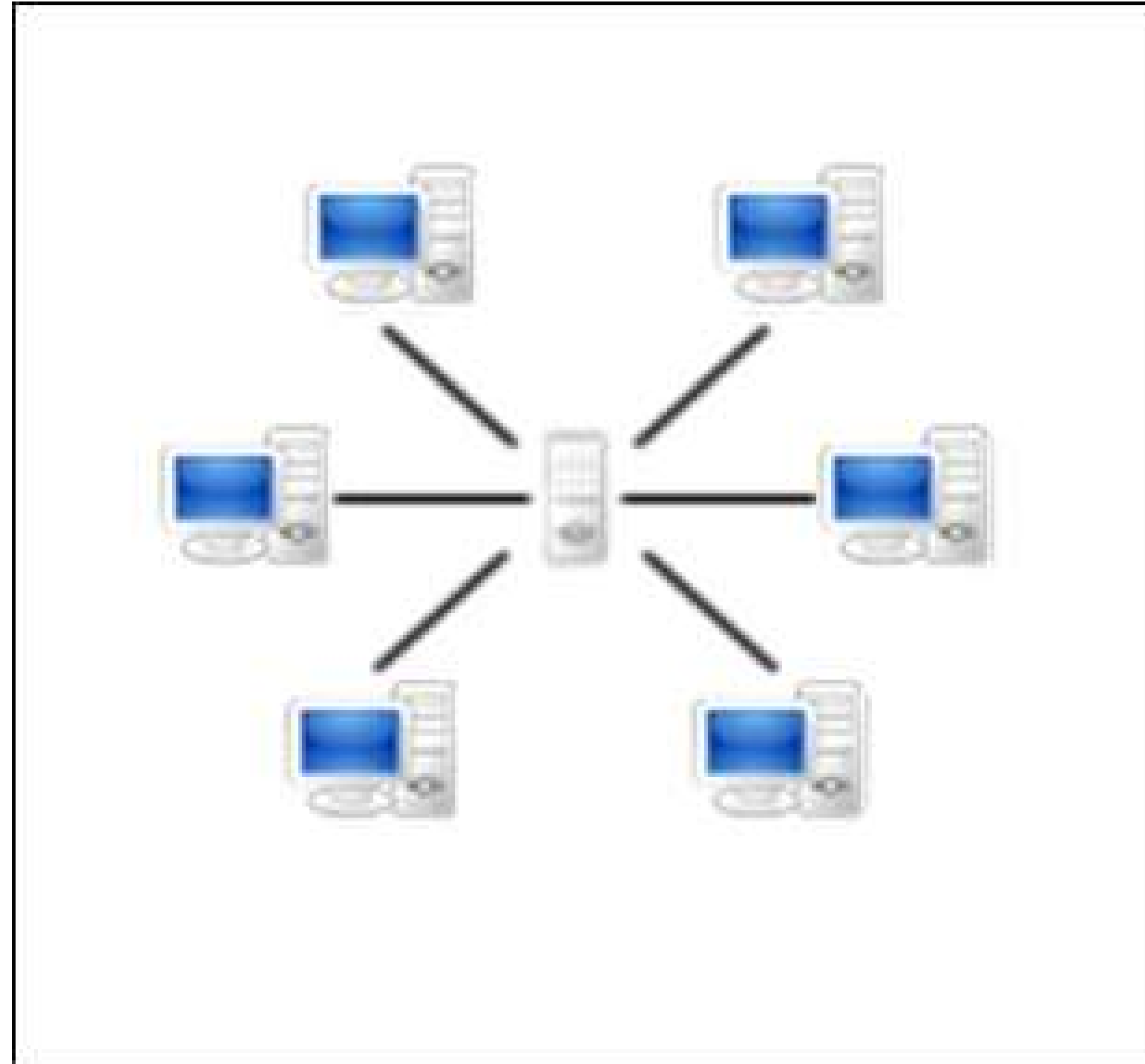


“I resolved to stop accumulating and begin the infinitely more serious and difficult task of **wise distribution.**”

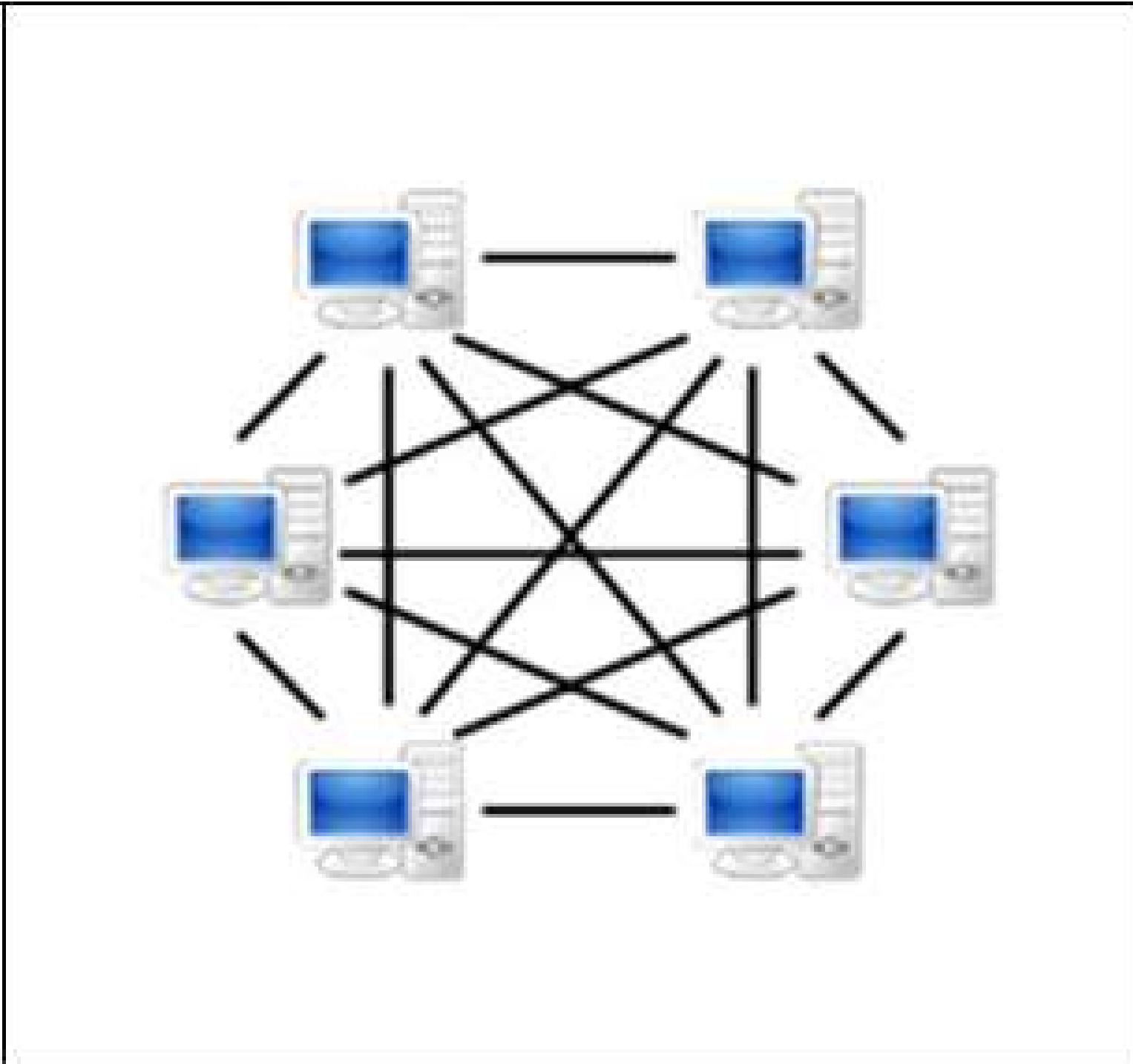
- Andrew Carnegie



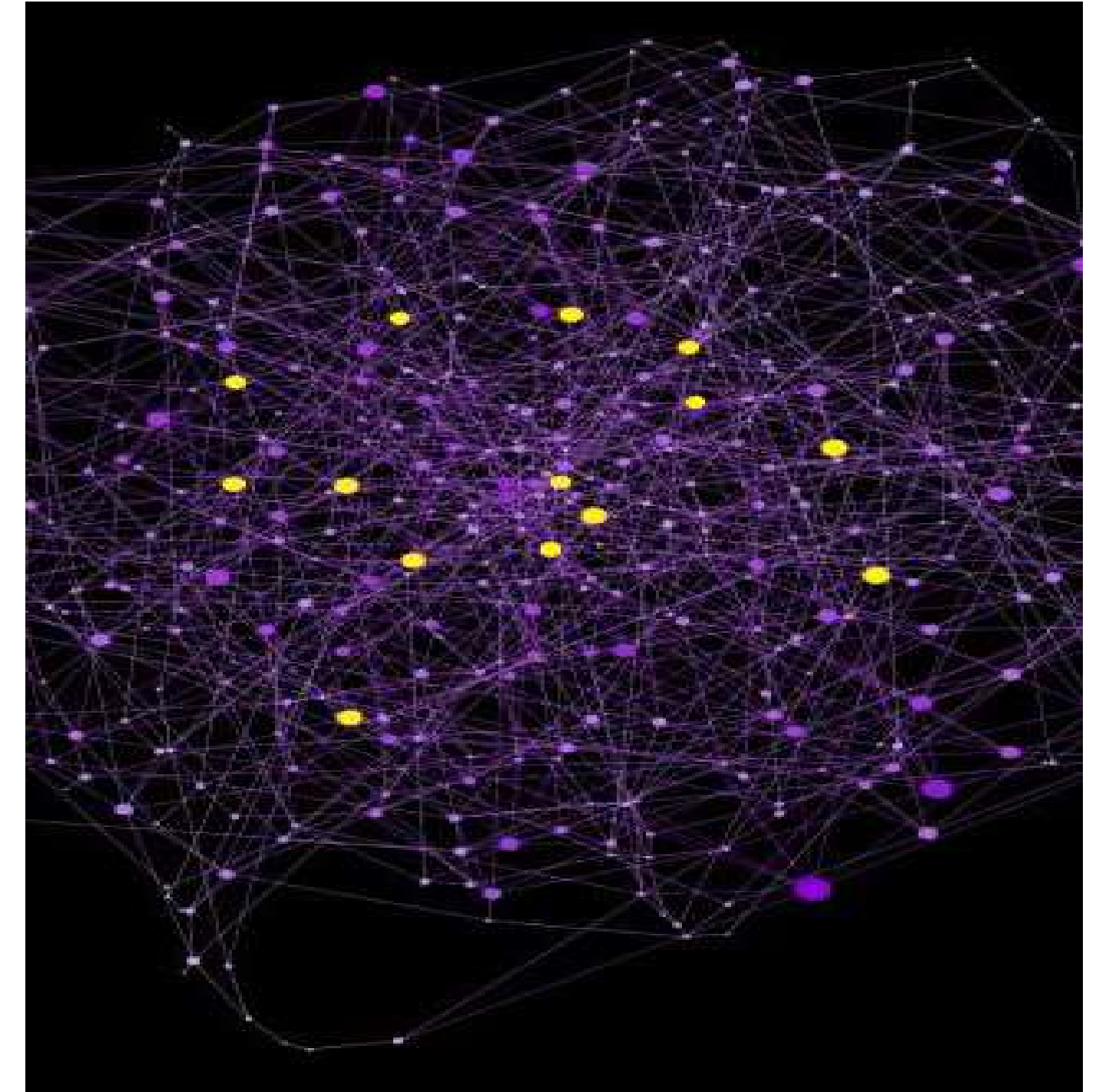
Traditional Centralized Network



Peer-to-Peer Based Network



Innovative Federated Networks



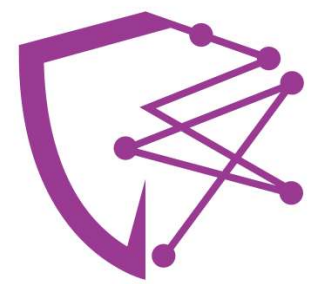
*We have a **FEDERALIZED** system with duties and obligations. How do **YOU** control and secure **YOUR** data?*



Evolving Environment

Confidence in data is the most critical measure in personal and business operations.

- **Federating networks** share resources among multiple independent networks to optimize use of resources, improve the quality of network-based services, and/or reduce costs.
- **Blockchain** is a decentralized database where data is replicated across several unrelated nodes.
- Blockchain gives **ownership of data back to users**.
- No single node is a gatekeeper nor controls your data. Ledger **transactions are permanent and verifiable**.
- Blockchain users **retain control** of their data: encryption keys, service independence, source application.
- **Know Your Customer ('KYC')** is the process of a business identifying and verifying the identity of its clients.

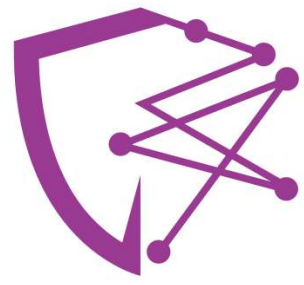


UbiVault Principles

- **Secure** data in motion and at rest through encryption, hashing and distribution
- **Privacy** is gained by user control of information
- Enable intelligent systems with logic and learning that utilize **Edge** computing
- Federate and secure information; do not seek to **Control** information
- Modernize **Authentication** sign-on methods to prevent hacking and malware



- Cost-effective, secure, private, collaborative data management among people and machines
- Intelligent, secure, distributed, and federated workflows, and commerce flows



Applied!

Cross Market Solution



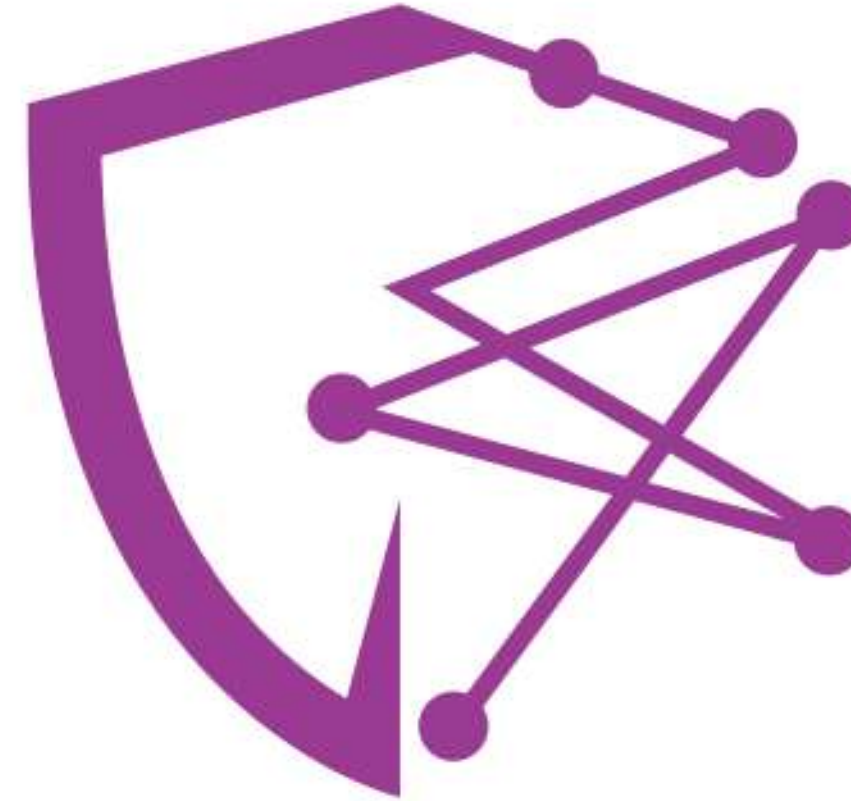
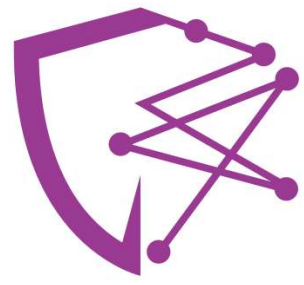
Healthcare



Media



FinTech



UbiVault

Fabric to Secure Distributed Networks

Q u e s t i o n s ?

4 Pillars of UbiVault

Pillar	Feature	What it Does
Data in Motion	E2E encrypted transport for any data type (messaging, files, streaming media)	InterVault - lightweight, certificate free secure pipes between nodes. Military grade, industry standard crypto libraries
Data at Rest	Distributed fault tolerant byzantine storage for public, private, hybrid clouds	Jigsaw – scalable cloud and device nodes network with fragment dispersion using a double blind recoverable storage method
Blockchain Gateway	Gateway APIs to record DLT and transaction data	UbiChain – Ability to connect to any blockchain standard such as HyperLedger, Ethereum, Neo...
Edge Analytics	Collect and locally process node data for analysis	UbiEdge – Distributed AI preserving privacy of node data with shared central AI processes





Healthcare

**Fabric for Secure, Interoperable
Data Exchange**

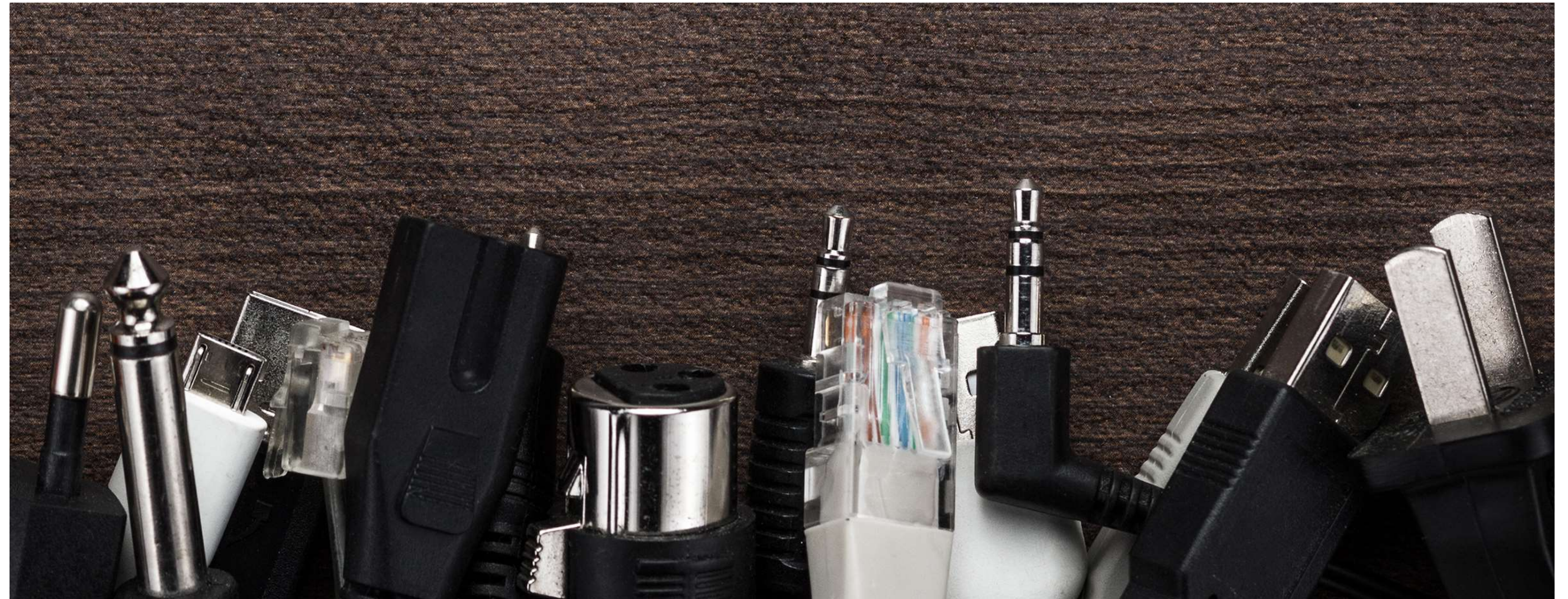


Current Obstacles

- Hacks are pervasive
- Sharing and aggregation are problematic
- Intelligent analytics is limited by data silos

Solution

- Every provider has a node
- Every node has XML conversion
- Every user has multi-factor authentication
- Data is shredded and distributed
- All node-to-node communications have military-grade encryption
- Federated queries assemble data sets from any number of connected nodes



The issue here is not “exchange,” but rather DRM, and the secure nano-CDN integrated with blockchain records, payments, ads, and engagement

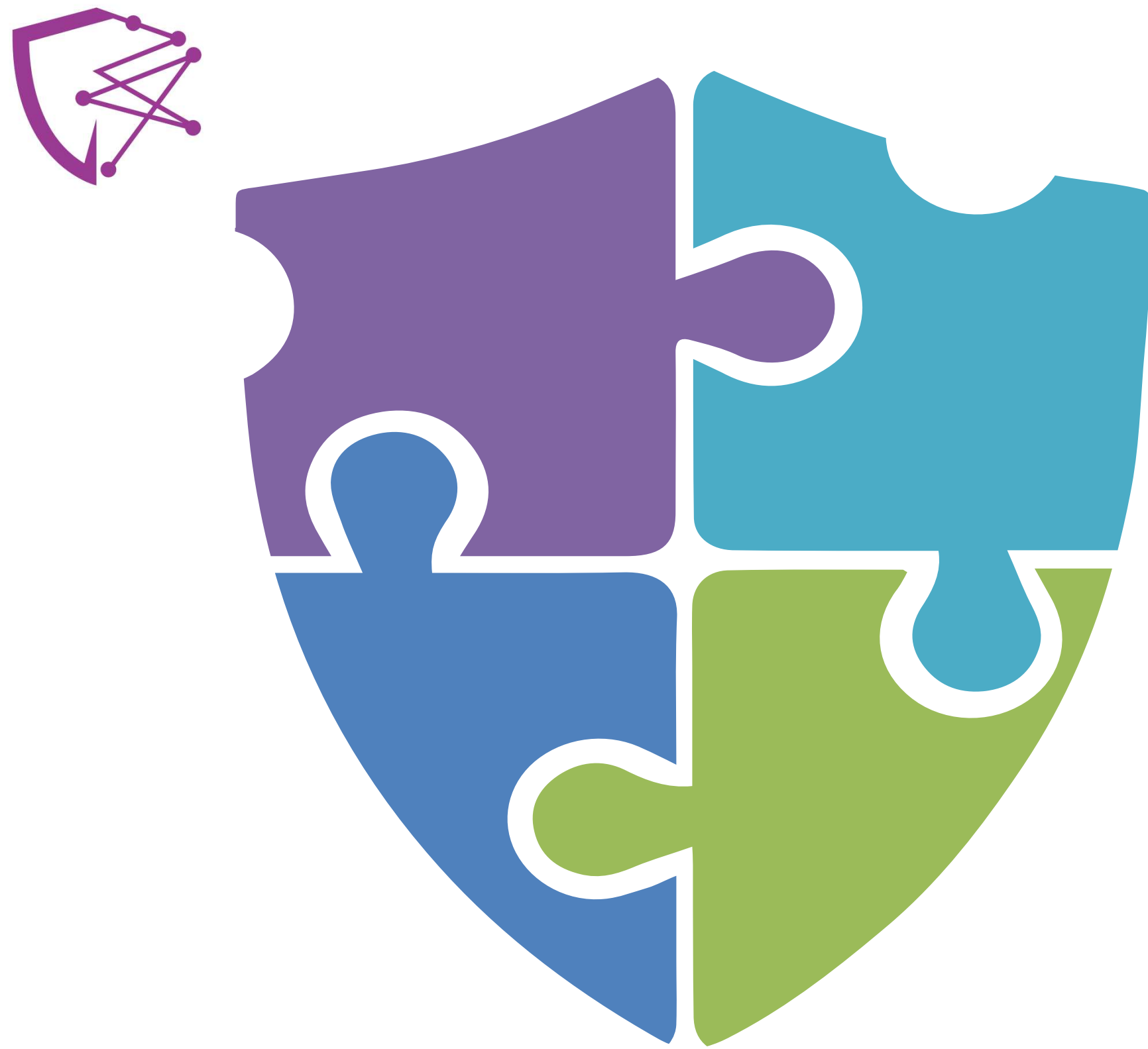
Media

Fabric for Secure Data DRM



FinTech

Fabric for Secure Data Exchange



UbiVault Data Fabric

- Cost-effective, collaborative processes among people, data, and machines
- Ancillary software layers for intelligent, secure, distributed, federated workflows, commerce flows, and finance flows, based on sharing and building of information
- Provide the intelligent, secure soft infrastructure for collaborative work among nodes at the Edge of the Internet to optimize privacy and opportunity for everyone.

Applied!

Cross Market Solution

Privately-owned company founded and driven by development and implementation of intellectual property to address current and future security problem sets.

The Past – connect through hosted, centralized services, customers with businesses, including through mobile devices.

The Future - allowing people to connect with others and services without relying on a central point.

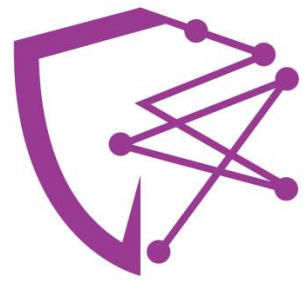
This data is aggregated and shared or sold without privacy concerns.

New Internet architecture is no longer client-server but a P2P communication medium

Healthcare

Media

BlockChain



Why UbiVault?

Differentiated IP

**Unified security,
predictive analytics
and federation of data
among nodes at the
Edge**

Experienced Team

Multifaceted and vastly experienced team.

Intellectual Property

Innovative IP that is proven and in use
across multiple markets

Peer-to-Peer Focus

Soft infrastructure elegantly fit together to
improve security, intelligence, and privacy
protection through federated networks

Modern Fabric

Blockchain services for validation, tracking
and non-repudiation for any transaction
Support for advanced analytics

UbiVault provides critical solutions for current and future data architectures

