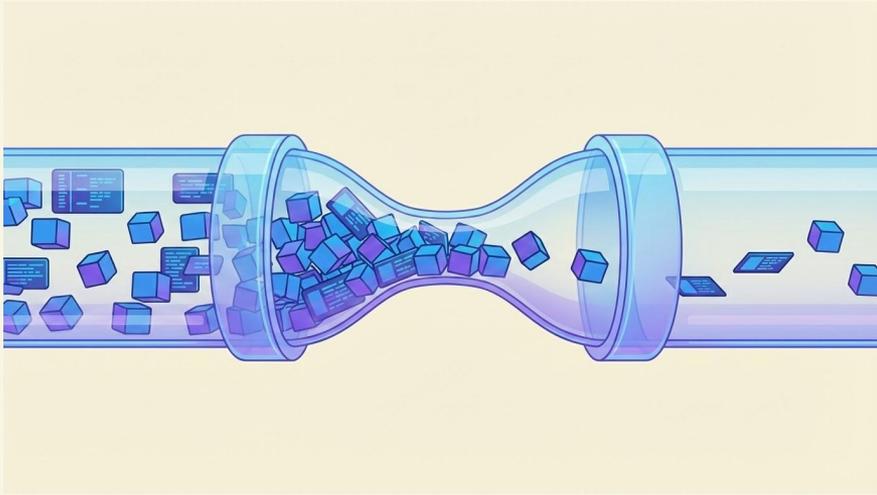# YZ.social

The Braided Blockchain

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Today's blockchains are not the answer.

Under the promise of making things easier, the Internet has become more centralized. As corporations assert control over users, rogue governments grab more control over corporations.

Cryptography and distributed ledgers promised to make things more secure, but the blockchains that they produced are so impossible to use that they have limited utility.
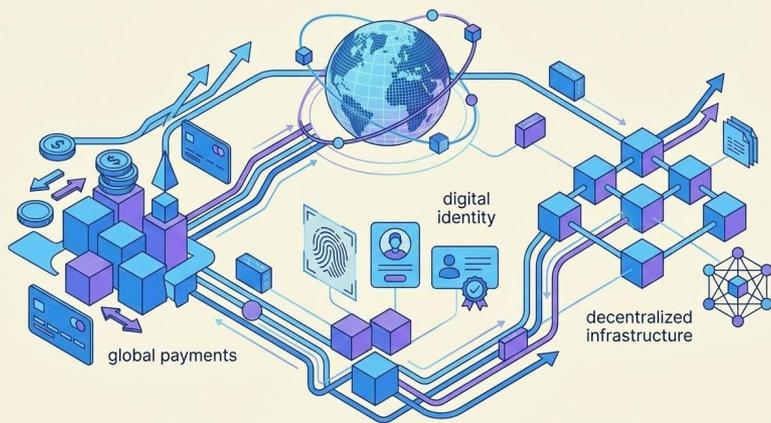
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What is YZ?

YZ enables a user ecosystem of **network layers** that deliver secure *communication*, *computation* and *commerce*.

The Braided Blockchain.
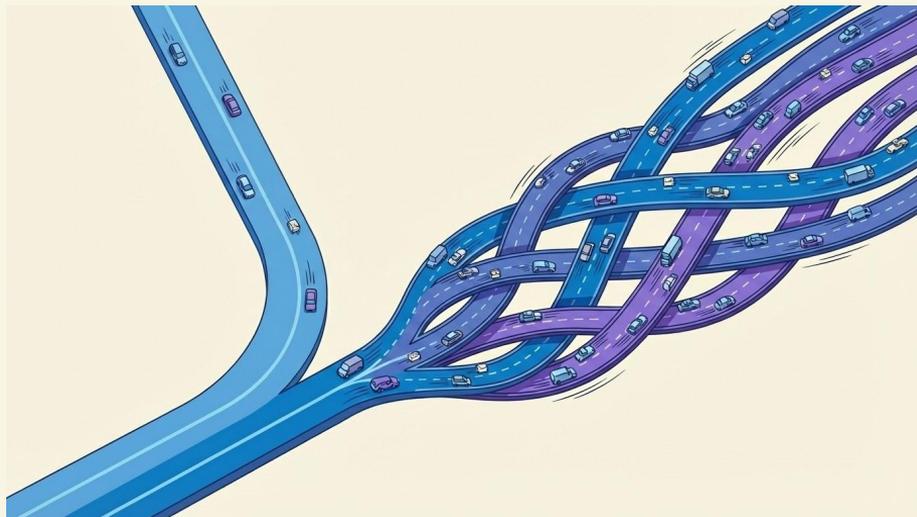
What are we building?

We are building:

1. The core network technology, available to all developers as open source libraries.

2. A new kind of blockchain where every participant is compensated for providing services.

3. Applications like civildefense.io, the Labyrinth, and SYZL.it .

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The Braided Blockchain

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A revolutionary sharded ledger:

1 Runs entirely on the devices that people use

2 Pays people while they use YZ or while their devices are idle or charging

3 Achieves transaction speeds competitive with Visa

System Roadmap

Phase 1: Deploy as Code Library:

- Q1 2026 P2P Network: A decentralized publish/subscribe network. Demonstration application: civildefense.io.

- Q2 2026 : Concordance Engine functional on DHT. Demonstration application: Labyrinth game.

Phase 2: Deploy Braided Blockchain: Hosting mini-apps and full service commerce.

- Q4 2026: Braided Blockchain testnet.

- Q2 2027: Braided Blockchain mainnet.

Phase 3: Deploy Applications:

- Q3 2027: SYZL.it and library of mini-apps.

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Communication Technology:
The P2P Layer

A web-based application framework designed to enable co-development by people and AIs.
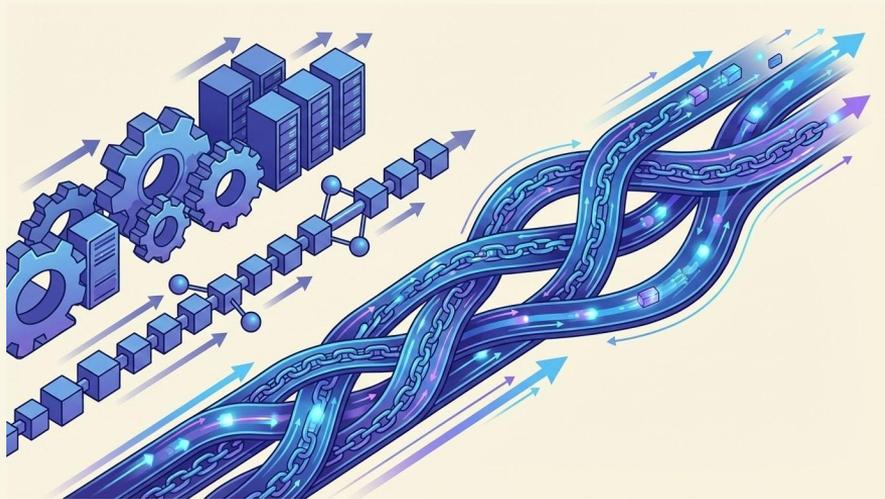
Web-centric

Integrated Payments

DHT Storage Support

Multi-user collaboration and communication APIs

Support for Long Lived Processes

One-touch publishing

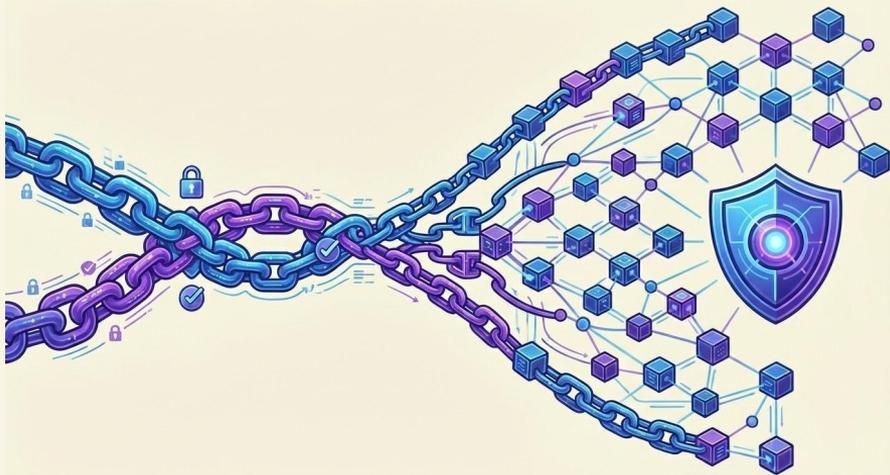**No Restrictions or Censorship**

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Computation Technology: The Concordance Engine

Replicated Compute Platform: A distributed virtual machine that runs bit-identical, censorship-proof processes in lock-step.

Solves Churn and Unreliability: Seamlessly handles node dropout by instantly replacing and synchronizing new nodes.

Bit-perfect Synchronization: Assures perfect integrity and synchronization via cryptographic state verification.

Developer Empowerment: Developers can treat the entire distributed system as a single, reliable computer for simplified app creation.

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Commerce Technology: The Braided Blockchain

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Scalable Sharded Ledger: Breaks monolithic chains' into small, independent shards for faster, localized consensus by the actual users of the platform.
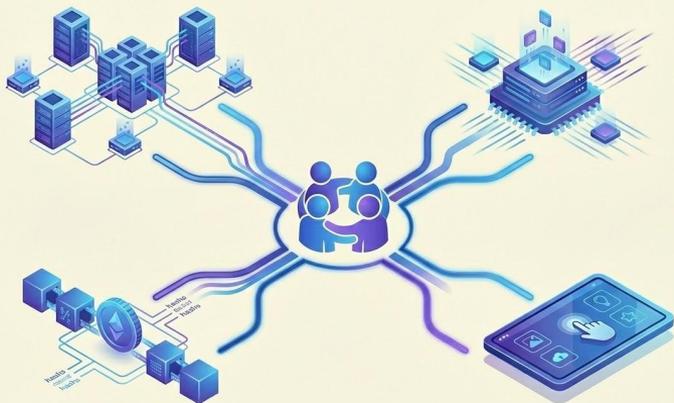
Braid of Trust Model: Replaces slow global consensus with a fast, localized security model using persistent Notary shards to validate blocks.

Auditable Fast-Path (AFP): Instantly achieves Local Finality using a two-step Double Verification for secure cross-shard transactions.

> **Proof 1 (Validity):** Notary Receipt confirms the block is trustworthy.

> **Proof 2 (Inclusion):** Light Client Proof confirms your transaction is recorded.

Target Performance: A sharded architecture designed for mass consumer use, tps actually scaling with the number of participating nodes in the system—competitive with global payment platforms.

Why us?

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We are a team of experienced systems architects, application designers and futurists who intend to improve people's lives and opportunities, fulfilling the promise of the Internet.

We are seeking seed funding to build out the technology with a number of anchor apps that combine secure messages and money.

Our team experience includes blockchain development, system and protocol architectures, and game development.

We helped invent the future you live in today.

The Architects of YZ.social

David A Smith: World-leading architect in multiplayer and collaborative systems. Co-founder of Red Storm Entertainment, Chief Architect of the Croquet Project, designer of the DoD Virtual World Framework. CTO of Multisynq DEPIN platform.

Howard Stearns: Collaborated with computing visionaries (Berners-Lee, Kay, Rosedale). Expertise in Web technology, distributed systems, and blockchain.

Aleksandr Petrosyan: Physicist, Blockchain expert. Co-wrote the world's fastest Authenticated Database, the world's highest throughput ed25519 signature verifier.

Ron Teitelbaum: Software engineer and entrepreneur in immersive collaboration and healthcare software. Leads the Cryptography Team for Squeak.

Michael Backes: Works at the intersection of film and technology on landmark productions. Co-founder of Rocket Science Games.

Craig Latta: Polyglot virtual mechanic for the live web, decompilation artist with Engelbart and Ingalls. Teaching AI and people to livecode together.

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Applications

The value of a platform is what you can do with it.

We are building applications that demonstrate the power of the YZ.social network and blockchain.

These apps provide immediate value and traction to the ecosystem we are are creating.
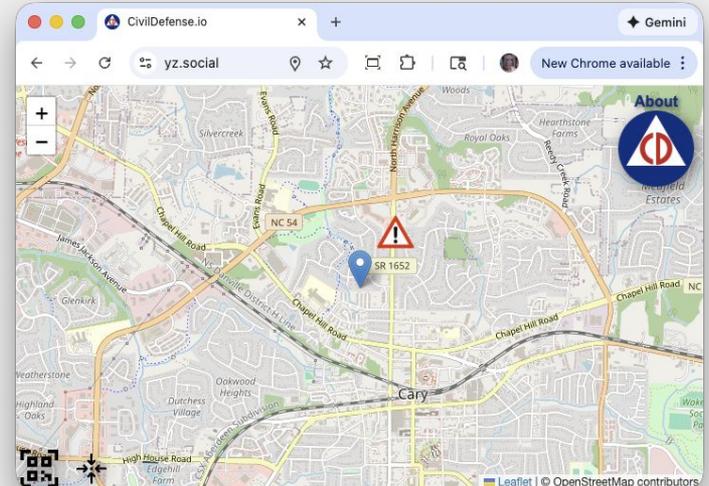
CivilDefense.io

A Community Alert App

Enables members of a community to alert the neighborhood of potential threats.

Anonymous, decentralized, impossible to track users.

Built on the YZ.social network. No centralized server. Impossible to take down.

Labyrinth
Realtime Multiplayer Game

Labyrinth is a new kind of multiplayer shooter that requires strategic skills much like traditional board games like chess and Go. It is extremely fast paced, but also easy to learn.

Runs on mobile, PCs, tablets.

A Self Learning Decentralized Social Network

A new kind of social app that takes full advantage of the power of the YZ network and the Braided Blockchain:

(1) A self-learning, decentralized social network built on the YZ.social platform.

(2) Puts the user in control, tuning your content feed with decisive likes and dislikes (Syzl/Fyzl).

(3) Directly rewards your time and attention in a non-extractive, token-based economy.

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