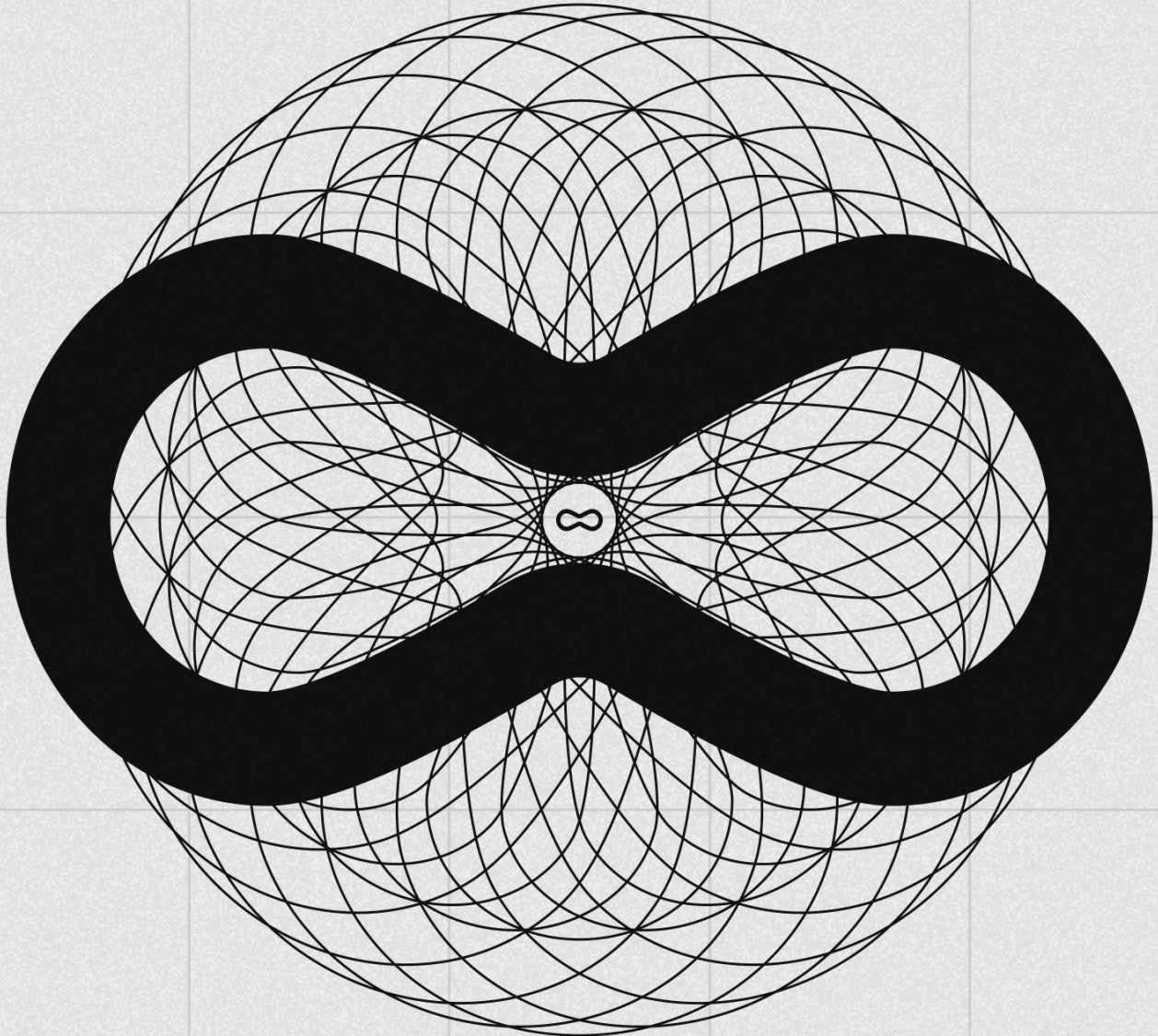


MANIFESTO



INTRODUCTION | TO | ENTANGLE

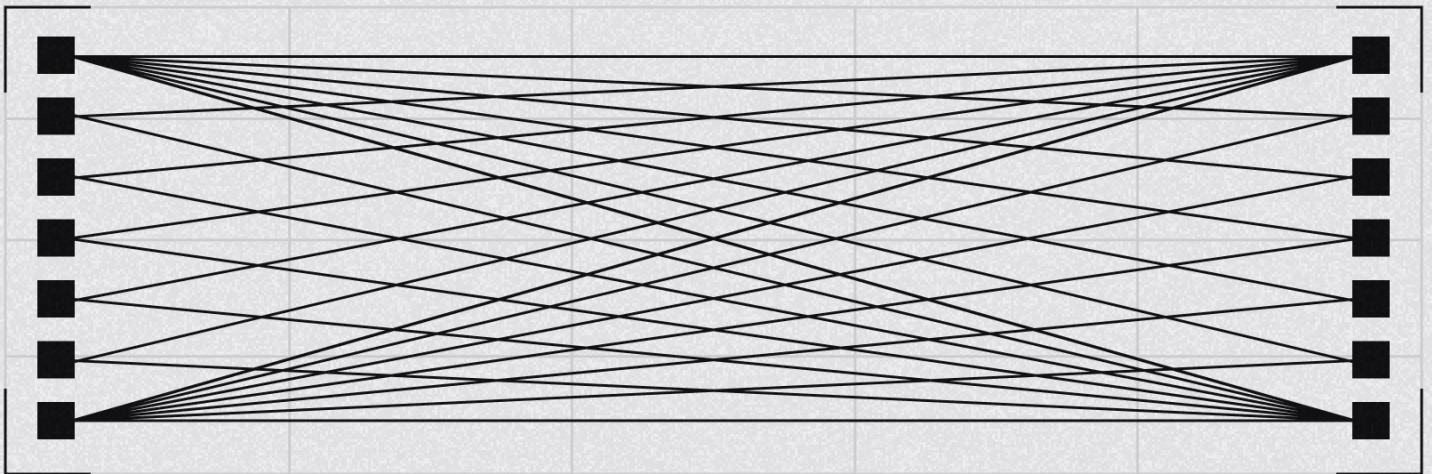
“PROGRAMMABLE MONEY OUTPACES DOLLARS IN THE BANK, UNLOCKING INFINITE POSSIBILITIES. LIMITING TO A SINGLE CHAIN, OR OVERCOMPLICATING THE UX RISKS TURNING WEB3 INTO ANOTHER BUBBLE WAITING TO BURST.”

ENTANGLE LABS

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UNITED WE STAND DIVIDED WE FALL

Centralized technologies have long forced users to trade control and economic inclusion for convenience. Data ownership and value for time consistently surrendered to exploitative entities for very little in return. Blockchain technologies introduce a new paradigm, a much needed shift from tradition and a solution that promises growth and unity, one where individuals regain control and access opportunities once monopolized by the privileged few.



WEB3 OFFERS MORE THAN DECENTRALIZATION

It envisions a world where value is programmable, transparent and middlemen are eliminated. Yet, this vision is obstructed by fragmentation and scalability limits. Isolated chains, siloed data, and fractured liquidity hinder progress towards a truly interconnected digital economy.

Disunity is the foundational issue, a major obstacle magnified tenfold by scalability. As virtual machines continue to grow, the supporting infrastructure must expand without compromising performance, cost-efficiency or trust.

Innovation in this space requires more than just connectivity — universal access to data is crucial for progress. Integration of diverse sources of information, on chain and from external Web2 inputs, is key to unlocking the full potential of dApps.

Ultimately, the ownership of these new digital highways must remain decentralized and fairly distributed. We stand at the brink of a revolution where individuals can not only own these structures, but have the ability and means to actively shape their future.

WELCOME TO THE INFINITE WEB3

Entangle is a next-generation interoperability protocol designed to seamlessly unite blockchains and data, fueling a fully interconnected Web3— a **Digital Fabric of Unlimited Connectivity**. Through Entangle's lightning-fast blockchain communication and ability to support any type of data transfer, universal use cases finally become more than a possibility, they become a reality.

By unifying chains, applications, and assets, Entangle unlocks trillions in value, facilitating truly borderless trade whilst delivering simple and mass marketable internet-like user experiences.

Despite the industry demonstrating immense early potential in fields such as real-world assets (RWA), artificial intelligence (AI), gaming (Game-Fi), and decentralized finance (DeFi), existing architectures have hindered mass adoption through complicated, complex onboarding and inevitable barriers to entry. As a result, many possibilities remain unrealized.

Entangle's architecture not only alleviates some of these issues, it solves them with distinct advantages over existing cross-chain solutions, including parallel processing for hyper speed, optimal cost efficiency, infinite scalability, and compatibility with any virtual machine. All of this is underpinned by a trustless, decentralized protocol that empowers collective ownership in the networks of tomorrow.

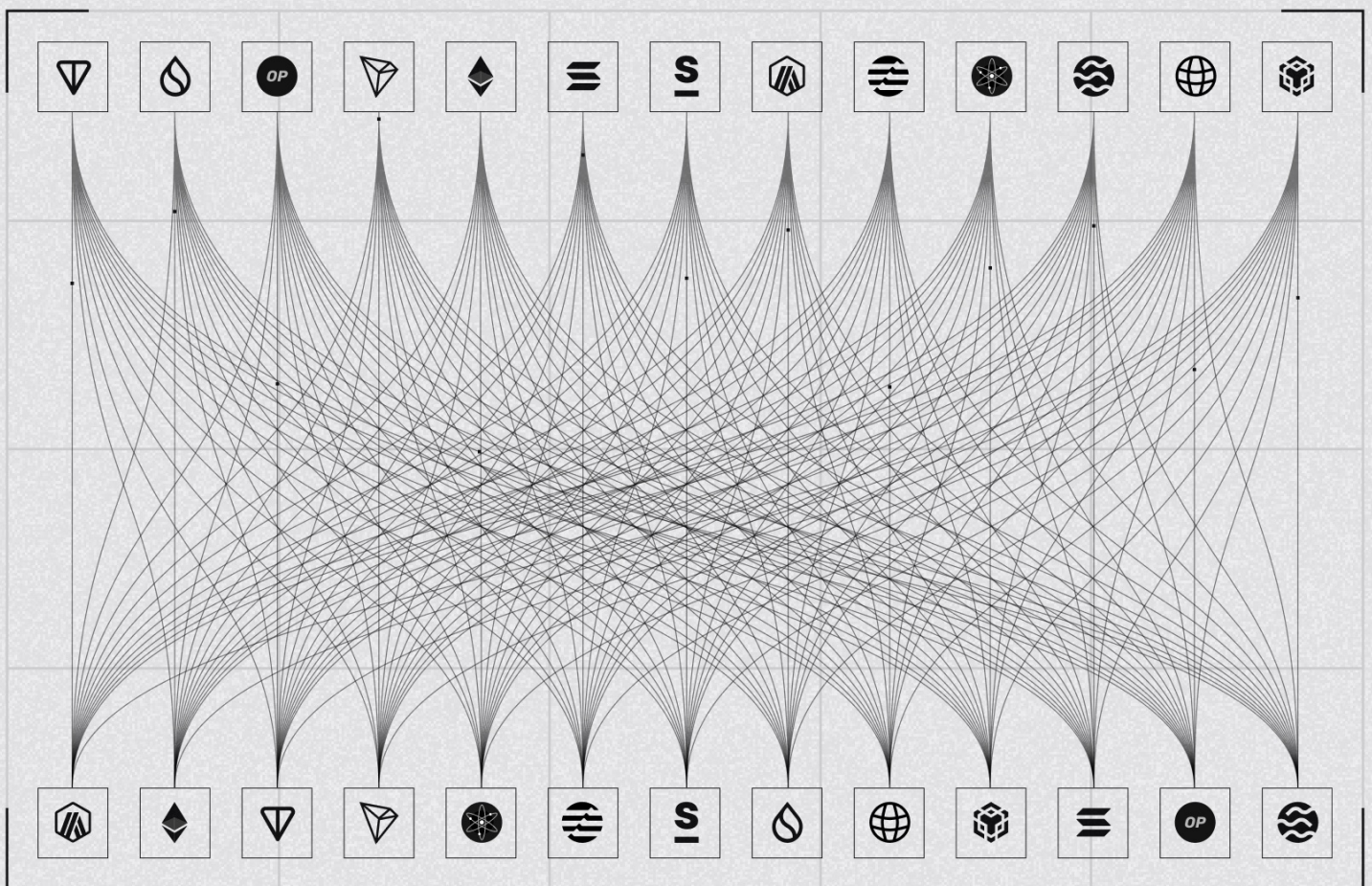
DIVERSE | CHAINS, | ENDLESS | DATA, | ONE | NETWORK

No single blockchain will dominate; each offers unique features that cater to various use cases and functionalities, including scalability for Layer-1 chains like Ethereum. As innovation evolves, the need for these systems to talk to each other and share data—both on-chain and off-chain—becomes increasingly critical.

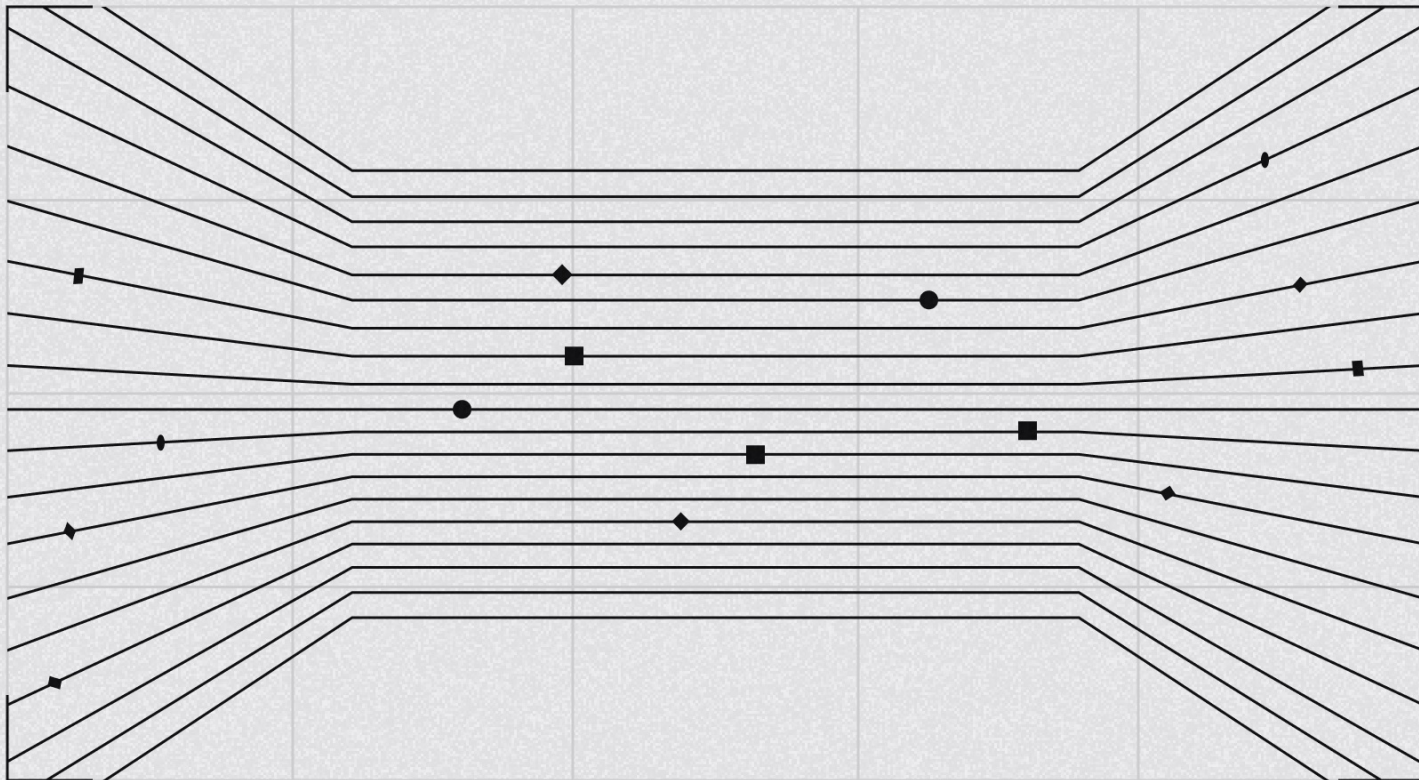
UIP, Entangle's core omnichain messaging solution, is the first multilayered middleware solution utilizing parallelization, connecting various systems through one unified communication network.

This design enables multiple simultaneous channels of connectivity between platforms like Solana, Ton, Move, EVM, IBC, and more, enabling and actively encouraging fluid interactions throughout the ever expanding Web3 ecosystem.

With a plug-and-play interface, every type of blockchain, asset, and application can upgrade to 360 Web3 data connectivity. Builders can launch fully interoperable roll-ups or app chains, and automate existing smart contracts on different chains, driving seamless Integration between the entire ecosystem and the real world.



LIMITLESS DATA HIGHWAYS



As the race for blockchain scalability intensifies, the highways connecting them must also adapt to meet high demand. Speed, cost-effectiveness, and security are essential; without these, the vision of universal applications becomes unviable.

UIP — modeled after TCP/IP, which unified the internet — is horizontally and infinitely scalable, with specialized Layer-2 chains that enable parallel processing of transactions, significantly reducing congestion and increasing overall transaction throughput. In addition, Agents, essentially decentralized light vehicles driving transactions and data across all chains can be multiplied limitlessly to meet demand.

Moreover, complete decentralization of the transportation network is crucial, as centralized alternatives undermine the very reasons for the industry's creation.

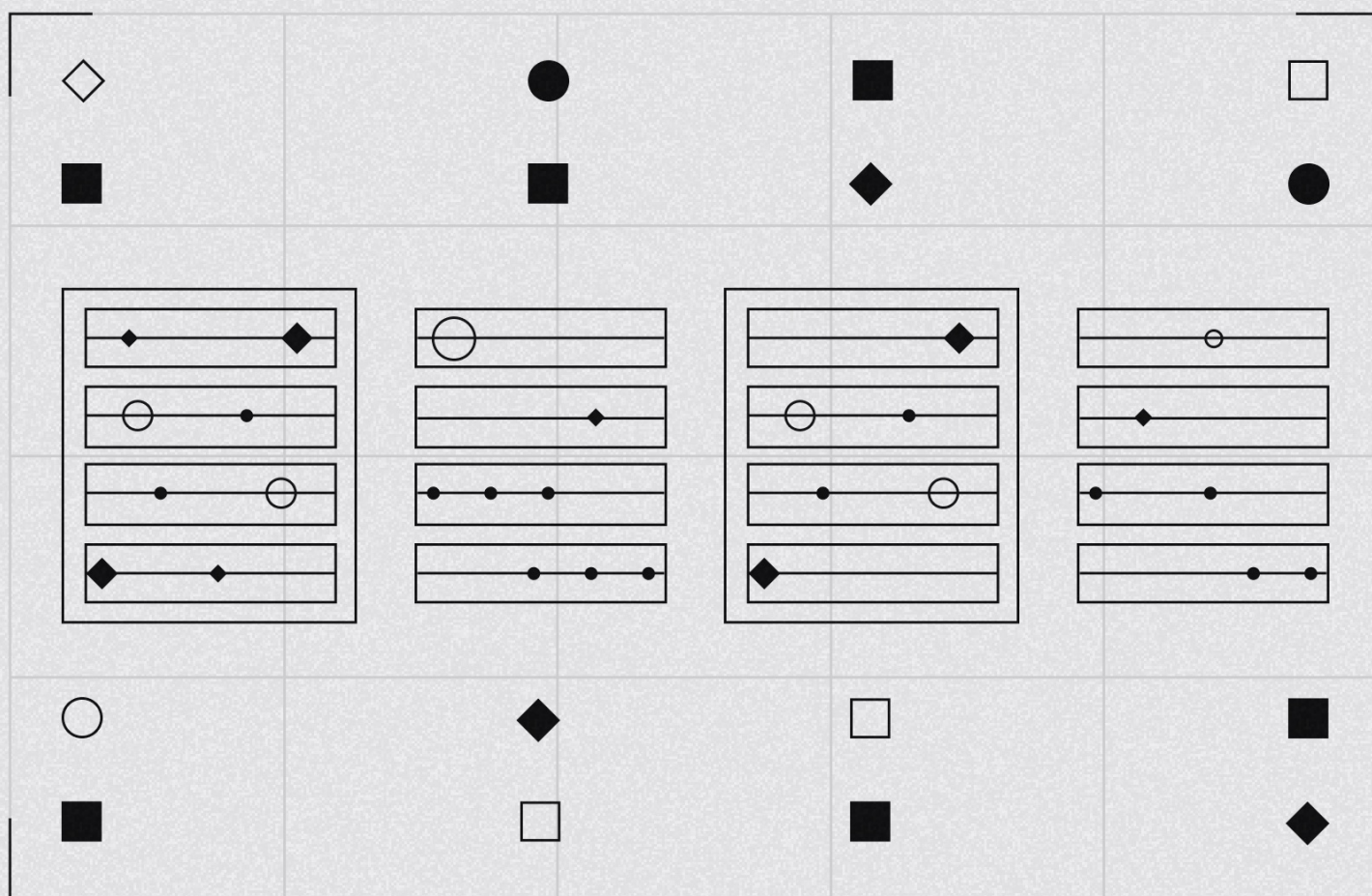
At the core of Entangle, is a high-performance, specialized L1 blockchain designed to act as the conductor, ensuring accurate data routing between chains and storage.

The transfer of information between chains is always verified through blockchains and not reliant on non-transparent server based systems. As a collective set of primitives, Entangle solves the trilemma of balancing security, scalability, and decentralization for interoperability harmoniously.

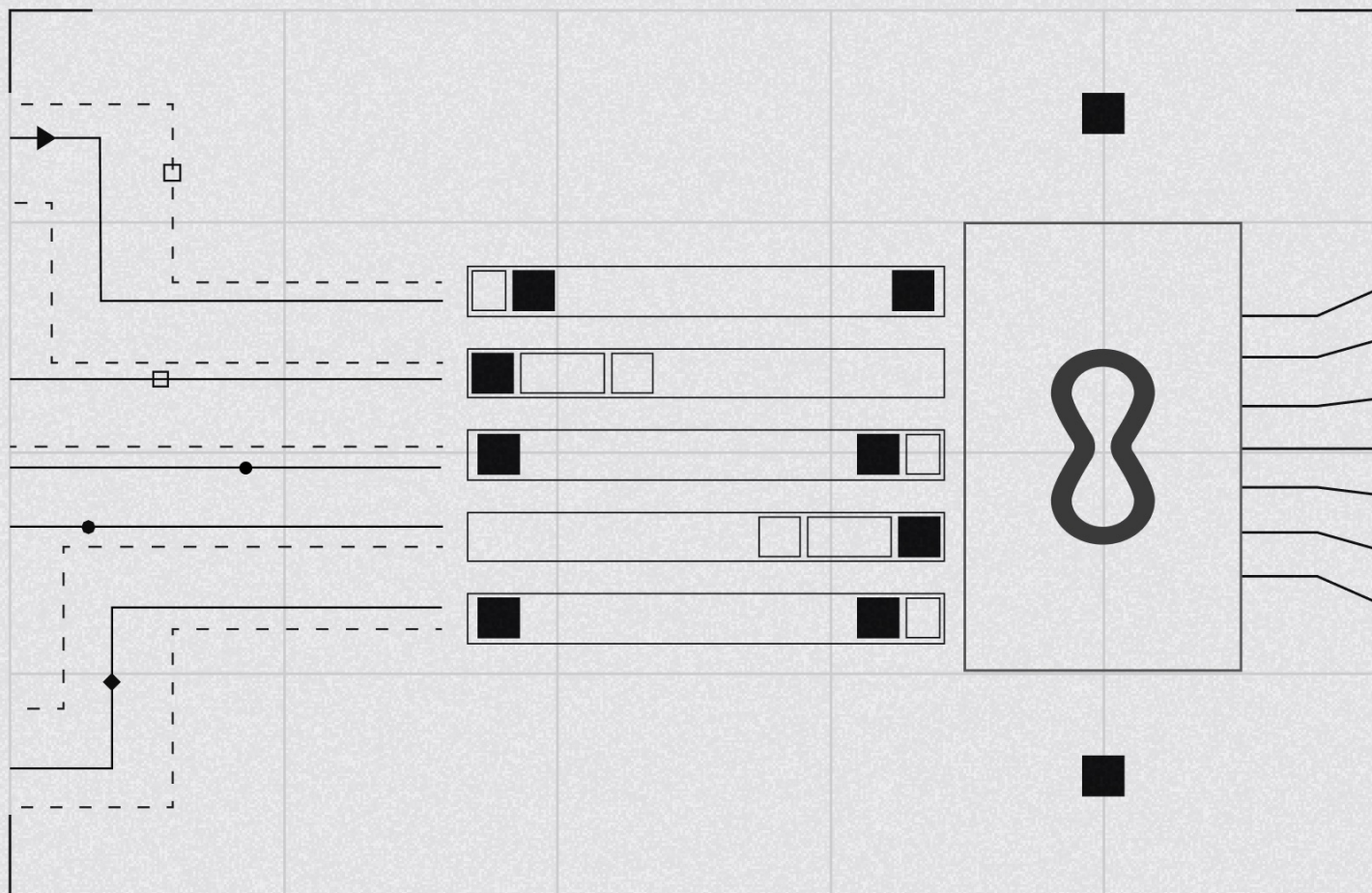
In an ever-evolving technological landscape, blockchain must evolve to remain relevant. Just as games, phones, and computers have undergone significant transformations, all elements of blockchain technology — chains, smart contracts, oracles, and applications — will evolve over time or risk being left behind. Entangle's platform is designed to be modular and upgradeable, ensuring it can adapt to changes within connected systems.

Offering **interoperability as a service**, Entangle enables all ecosystems to seamlessly integrate with each other, allowing builders to select their preferred chains or legacy systems for future integration. Entangle's solution is also fully compatible with competitor interfaces, fostering an inclusive economy, simplifying code transitions and enhancing the developer experience.

Through fully customizable message passing for any data type, allowing systems to exchange value and information, Entangle not only makes itself adaptable and future-proof, it paves the way for a new wave of innovation and unparalleled flexibility.



ONE | VEHICLE, | EVERY | TOKEN, | EVERY | NFT



The heartbeat of new digital economies are Tokens, NFTs, and Coins. These assets offer ownership and access to cultural communities, enable staking for infrastructure, grant voting rights, represent real-world assets, and much more. In Web2, it's easy to log into Google or watch Netflix from virtually anywhere. In Web3, having assets available across all channels — including Web2 — is critical for empowering the unicorns of tomorrow.

Universal Token Standard (UTS) enables seamless transfers of tokens and NFTs across all blockchains with full customizability. Token creators simply add a few lines of code, select their preferred chains, and deploy new tokens or expand existing ones across all platforms whilst maintaining full control and options on security.

As the universal vehicle for all chains enabling not just transfers but programmability of assets, UTS is the gateway to higher levels of access. As the industry continues to add new chains and assets rapidly, UTS stands to unify liquidity through a decentralized, permissionless medium.

CONNECTIVITY | REDEFINED

Smart contract innovation requires more than on-chain connectivity between blockchains — universal data access is critical.

To unlock the true potential of gaming, real world assets, DeFi, predictions markets and many other verticals, applications need access to on-chain and off-chain data located on sources such as the internet.

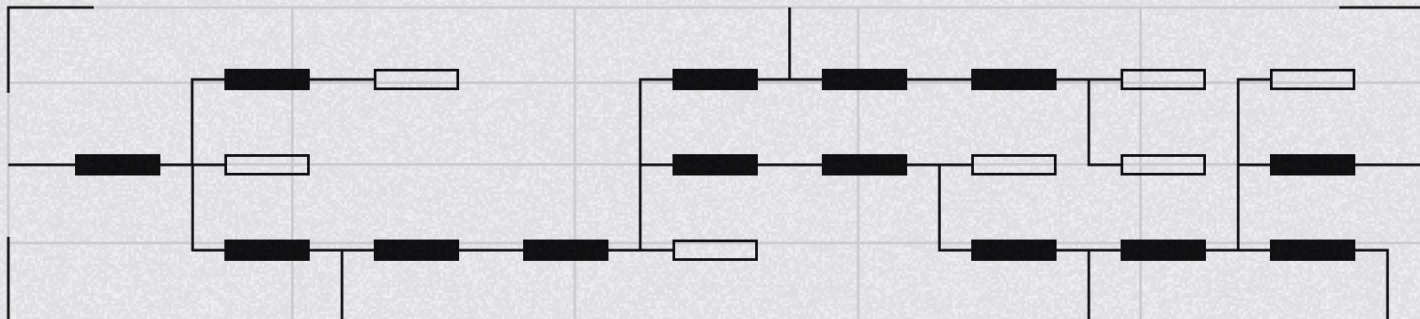
Universal Data Feeds (UDF) serve as the gateway to authenticated data of all types, unlocking comprehensive innovation through customizable plugins.

Builders can easily select or configure data types, sources, and consensus, allowing them to customize data flows and receive real-time updates at their preferred intervals.

Access Now

[illegible]

COLLECTIVELY | DRIVEN



For blockchain to fulfill its promise, the technology must remain decentralized. It's ineffective, and unsafe to have trustless blockchain islands whilst the highways transferring trillions in value between them remain centralized. True digital autonomy requires that these digital pathways must be collectively **owned by the people and governed by the people.**

Entangle is built with decentralization and security at the core. A high-performance L1 blockchain (BFT) with independent validators supplemented by a distributed network of publicly verifiable agents creating a secure, transparent and scalable trust grid.

This approach unlocks collective ownership: individuals can own and operate messaging agents that facilitate transfers between chains, run validator nodes and stake to those who operate them, forming the backbone of a decentralized, secure and stable network.

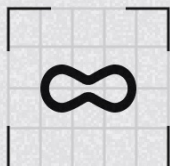
B U I L T B Y T H E P E O P L E

S H A P E D B Y T H E P E O P L E

O W N E D B Y T H E P E O P L E

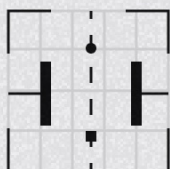
THE ENGINE FOR UNIVERSAL CONNECTIVITY

Entangle unifies all blockchains, powered by a modular network of Layer-2 auxiliary chains, agents, super-agents and smart contracts. These are intricately interconnected primitives, secured and coordinated by the Entangle L1 chain, ensuring seamless communication and data transfer across Web3.



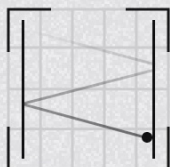
L1 BLOCKCHAIN

The foundational chain that provides security, consensus, and essential functionalities for the ecosystem.



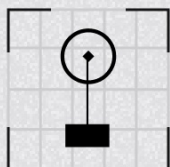
L1 VALIDATORS

Independent entities responsible for verifying transactions and maintaining network security.



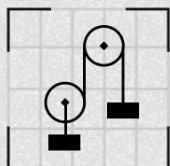
AUXILARY L2 FACTORY

Blockchains that enable parallel processing of transactions, significantly reducing congestion on the L1 and improving transaction throughput.



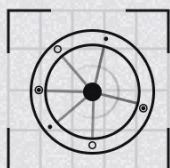
AGENTS

Lightweight nodes vehicles driving transactions and data exchanges across all chains, ensuring seamless interoperability.



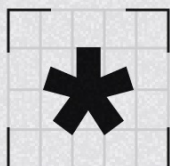
SUPER-AGENTS

Super-Agents bolster security and decentralization and serve as critical overseers within the network.



ENDPOINTS

Smart contracts on each blockchain serving as communication hubs.

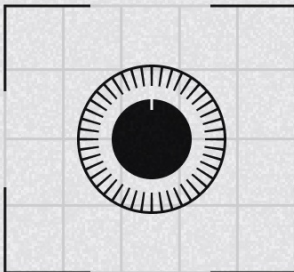


MASTER SMART CONTRACT

Governing contract that manages the protocol, responsible for collecting proposals from Agents and verifying consensus.

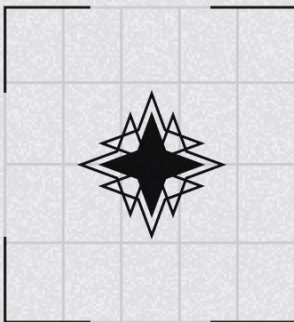
THE ENTANGLE TOKEN

Many blockchain messaging networks are centralized or don't offer token holders the opportunity to participate in reward or democratic incentives. Entangle is built differently. The NTGL token serves three distinct purposes: **staking, governance and economic security**.



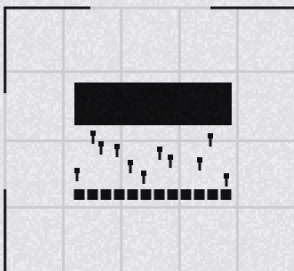
ECONOMIC SECURITY

By requiring validators and agents to stake NTGL, the network creates a strong incentive for honest behavior. The algorithms not only rewards good actors but also penalizes malicious actions through slashing, thus safeguarding the integrity of the system.



STAKING

Although Agents and Validators require a certain amount of NTGL to qualify for their roles, NTGL holders can also stake with them and receive rewards. As Entangle partners with many projects building on top, there are opportunities for stakers to be rewarded with ecosystem partner projects through incentive programmes.

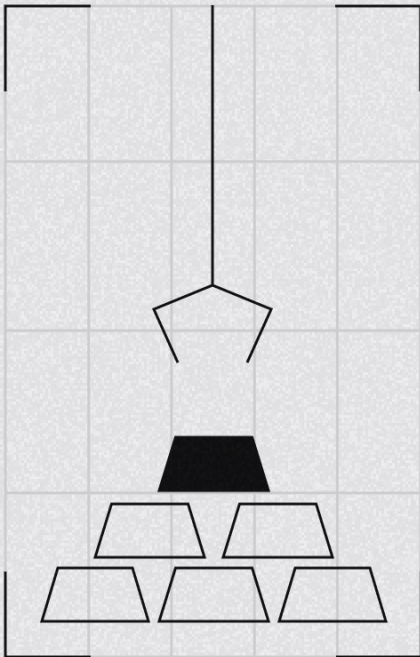


GOVERNANCE

NTGL holders have control over the protocol. All privileges and voting rights will be given to the stakers of NTGL, including managing exceptional events such as token burns, economical decisions, new chains and infrastructure upgrades.

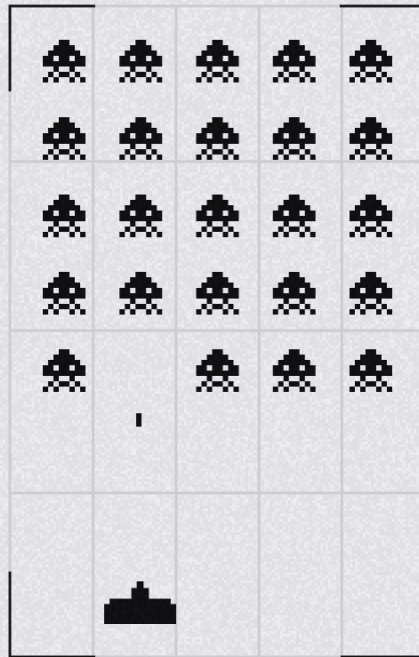
WHAT'S POSSIBLE

Entangle catalyzes a new era of innovation across all sectors, empowering solutions that meet the evolving demands of the digital economy. Below are just a few examples of the transformative omnichain applications that can be built:



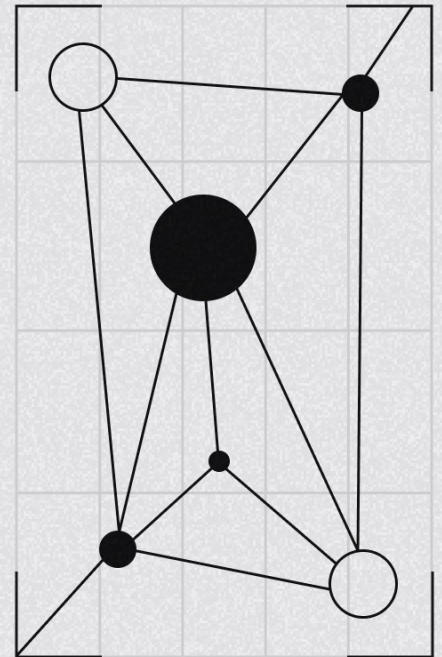
RWA

Enable programmable real world assets to be traded across all ecosystems, free from cumbersome chain limitations.



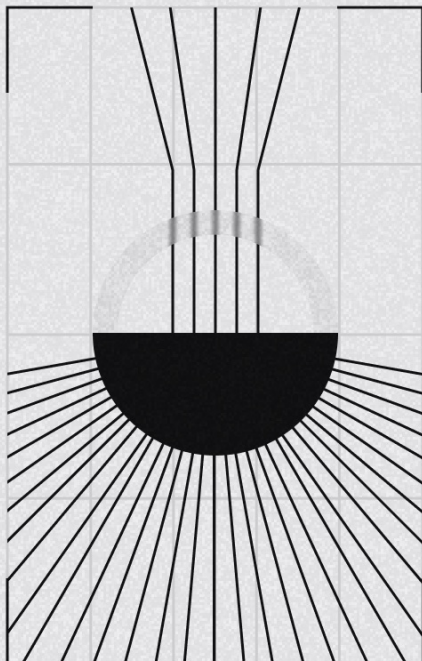
GAMING

Build cross-chain gaming ecosystems, where players and viewers can compete and participate from any chain.



DEFI

Create or scale omnichain money markets, perpetuals, options trading, DEXs and more with a unified liquidity layer.



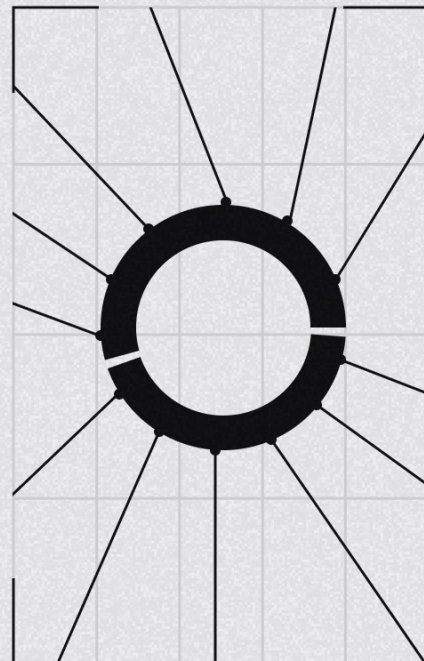
PROGRAMMABLE TOKENS

Transfer tokens and NFTs across every blockchain with full programmability and customisation options for developers.



ARTIFICIAL INTELLIGENCE

Train on-chain AI agents with data feeds, enabling real-time insights, enhanced decision making and limitless possibilities.



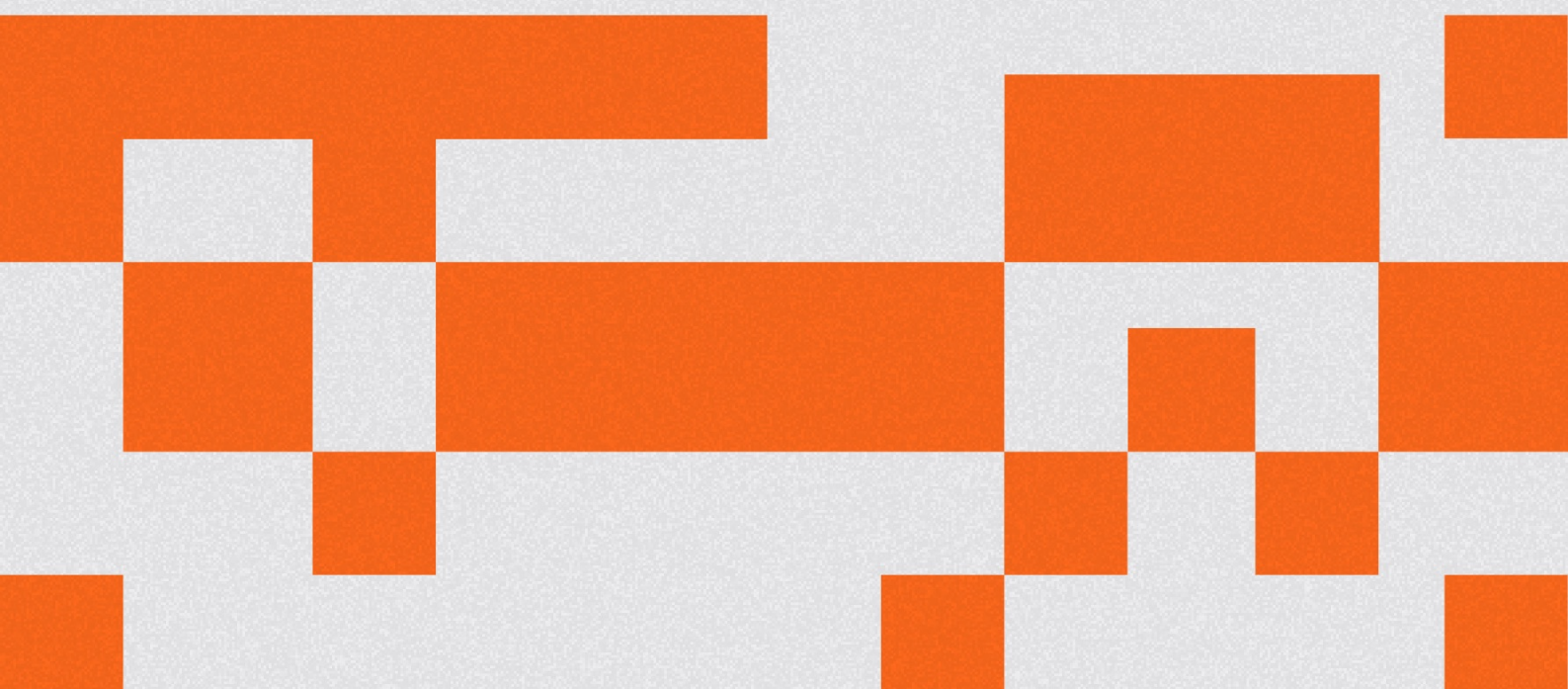
OMNICHAIN PREDICTIONS

Build predictions markets and hybrid Web 2.5 applications with real-world data and PVP markets, accessible from anywhere.

Omnichain and universal applications will become a foundational standard, fostering cultural communities across every blockchain. Voters will seamlessly submit their votes cross chain, and trades will be conducted from any wallet, with any form of token, supported by one-click logins.

The next phase of Web3, the stage which allows and cultivates mass adoption, will be characterized by frictionless interactions and borderless value transfer. The future of Web3 is one where movement of assets is safe, transparent and effortless, powered by the omnichain.

ENTANGLE LABS



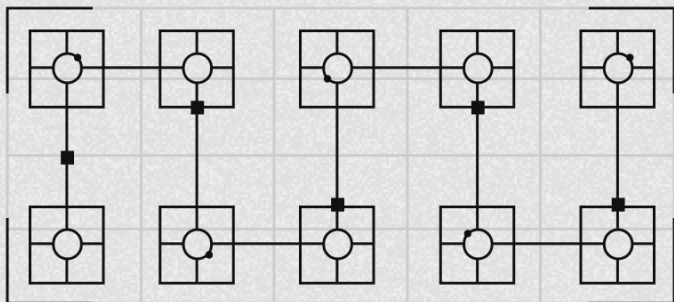
Entangle Labs is pioneering the critical infrastructure for a decentralized, scalable Web3. By eliminating user friction and unlocking trustless interoperability, we're building a unified ecosystem where users, applications, and assets can operate without restrictions.

Our mission is to drive the next wave of adoption, utilizing modern cryptographic methods to safeguard decentralization and provide value to the entire ecosystem. Entangle is the flagship protocol of the foundation.

Entangle Labs aims to support **the development of initiatives that align with its core objectives:**

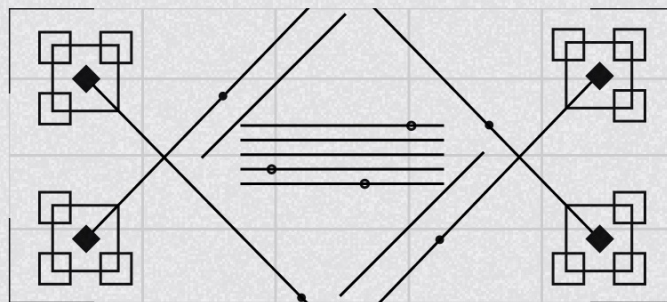
INTEROPERABILITY SOLUTIONS

Enabling seamless data exchange across protocols.



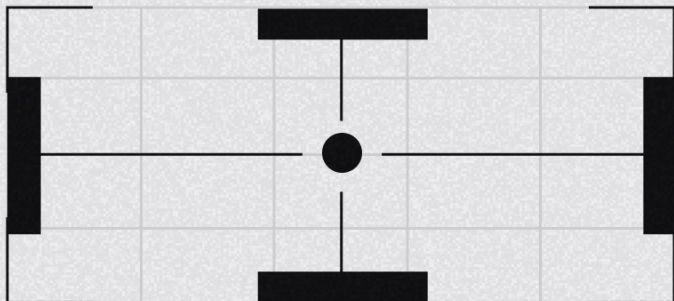
CROSS-CHAIN DAPPS & ASSETS

Facilitating access to services from any network.



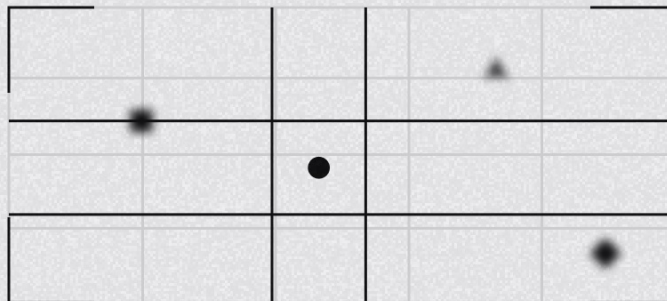
SCALABLE NETWORKING

Enhancing collaboration among diverse systems.



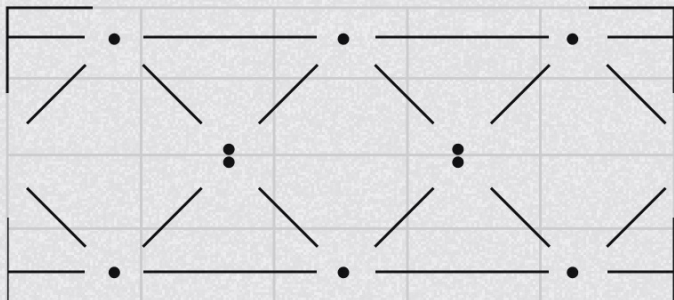
SIGNATURE VERIFICATION MODELS

Ensuring secure transaction validation across networks



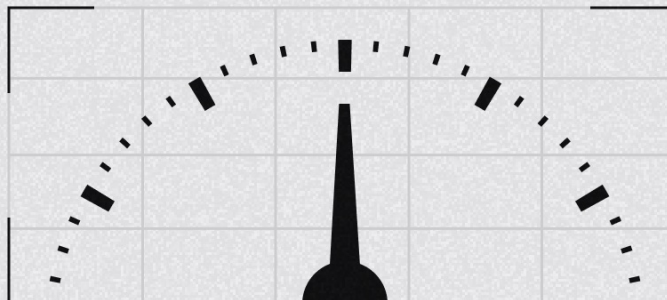
DYNAMIC DATA MODELS

Offering real-time information sharing across platforms.



GAS-LEVEL ABSTRACTION

Optimizing transaction handling and gas efficiency.



PARTNERS | OF | ENTANGLE

As the Web3 unification layer, Entangle seamlessly integrates with all blockchains, applications, tokens and data sources. We invite everyone to join our growing ecosystem and leverage innovative technology that accelerates scalability and adoption.

[Explore More](#)

HALBORN



Google Cloud



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