

The Cross-Org Network of Blockchains

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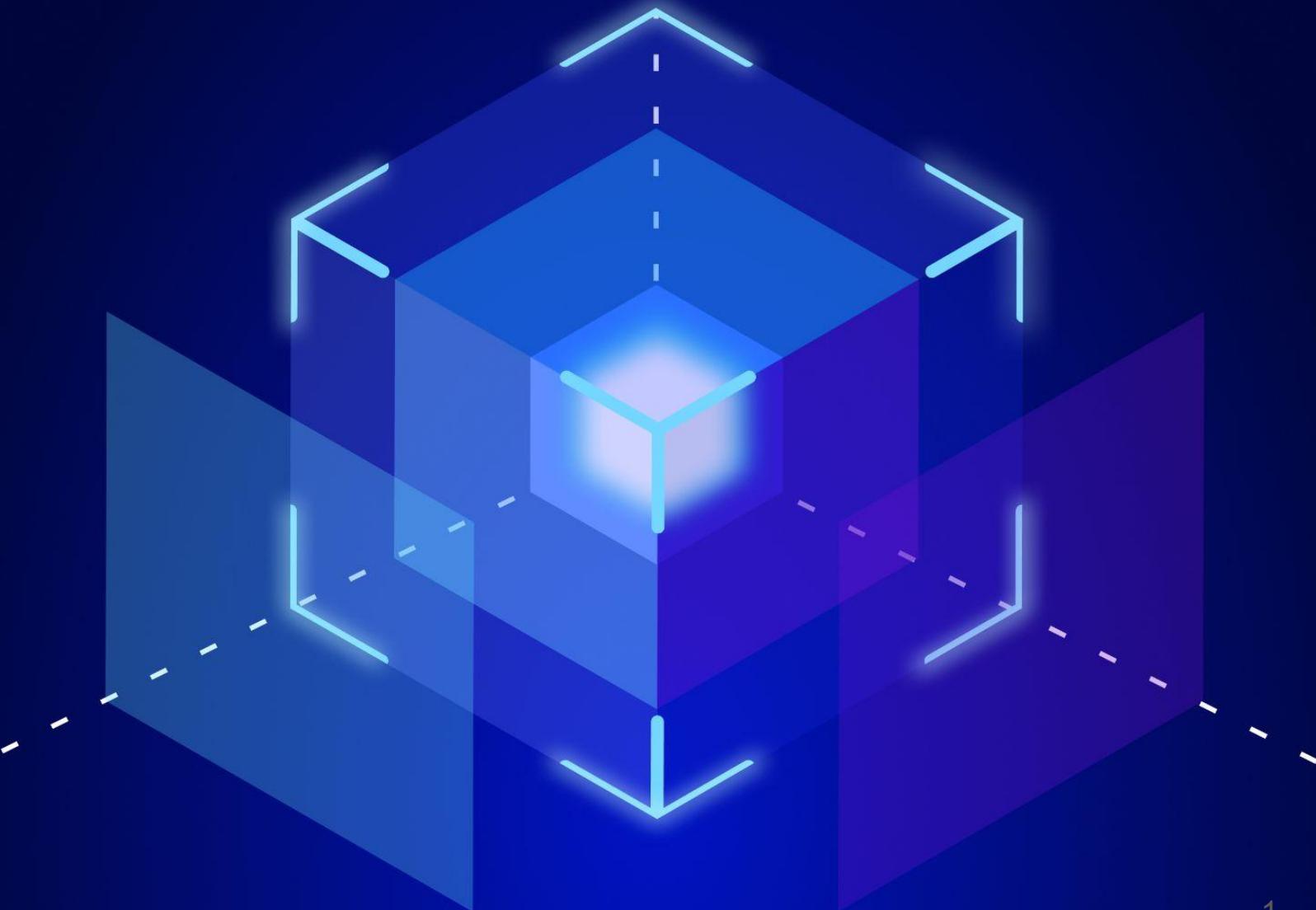


Table of contents

Introduction	3
Challenge	4
Solution	6
Technology	7
Architecture	9
The Cros Token	11
About	12
Our Vision	13
Founders	14
Team	15
Find out more	16

Introduction

Collaborate across org boundaries

Cros is a layer 2 protocol and a framework for collaboration between organizations using blockchain smart contracts. Cros sets out to empower organizations such as DeFi protocols, NFT platforms, Gaming platforms, MetaVerses, and more to execute their business process with full traceability and in a trustless and tamper proof environment, with advanced on/off ramp integrations to create an interconnected blockchain economy.

The Cros platform will allow organizations to discover liquidity, exchange assets (fiat, crypto, real world goods) and orchestrate value chains (goods & services) between them by leveraging on-chain/off-chain verifiable trust.

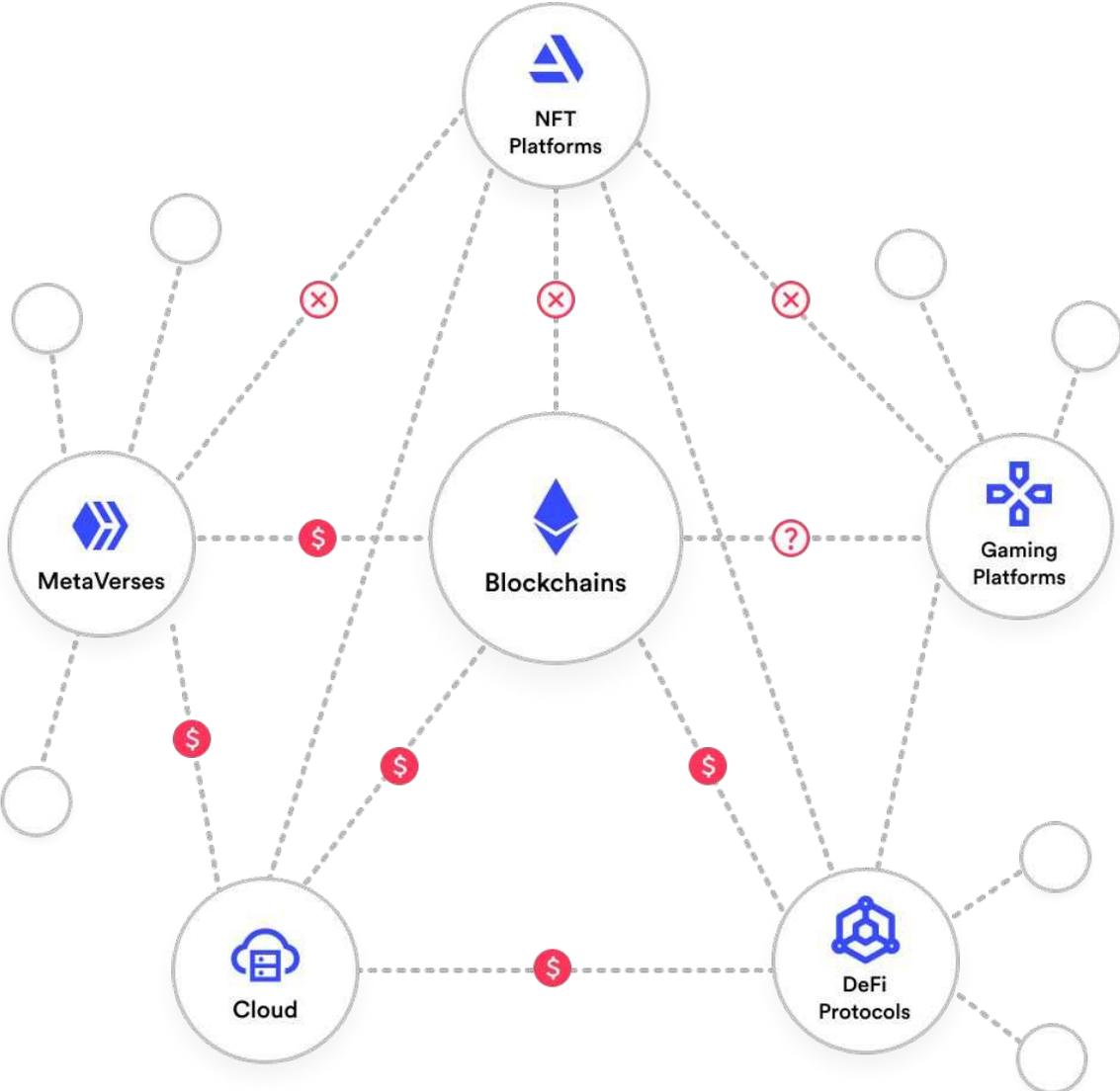
The traditional view of markets and organizations relies on a sequential thinking process, whether it is business value chain or supply-chain. Businesses are slowly realizing that they are part of a larger network, not merely a link in a chain. This necessitates an ecosystem approach to resource planning, business process execution and collaboration between the various nodes of the network.

This paradigm shift will be based on a completely revised definition of Ownership, Control and Trust – the hallmarks of the operation model of traditional business. As the typical organization today is run on centralized systems, it is difficult to come to a consensus on building, running and operating a cross-organization collaboration solution while addressing the ownership, trust and control issues. Blockchain technology can be the enabler of such a paradigm shift towards cooperative competition, or Coopetition.

Despite the promise and the progress made, blockchain has yet to see significant real-world deployments, especially in the traditional organizations.

Challenge

Today's blockchain solutions leave the hard work of integration to Organizations



Challenge



Data Wasting

80% of Organizations data is wasted in moving, aggregating, cleansing, verifying and sharing data with other business entities.



Time Consuming

Cross-Organization collaboration leads to time-consuming and costly audit and compliance processes riddled with conflicts of interests and regular scandals.



No Guarantee

As it stands, the traditional ERP providers are expensive and don't guarantee cross-org privacy.



Expensive

Trusted intermediaries mediating and controlling the execution of inter-org business processes alone cost organizations \$300 annually.



Revenue Loss

Coordination costs increase with the degree of specialization, thereby limiting it. The estimated loss of revenue is 27%-40% for small to medium-sized businesses.

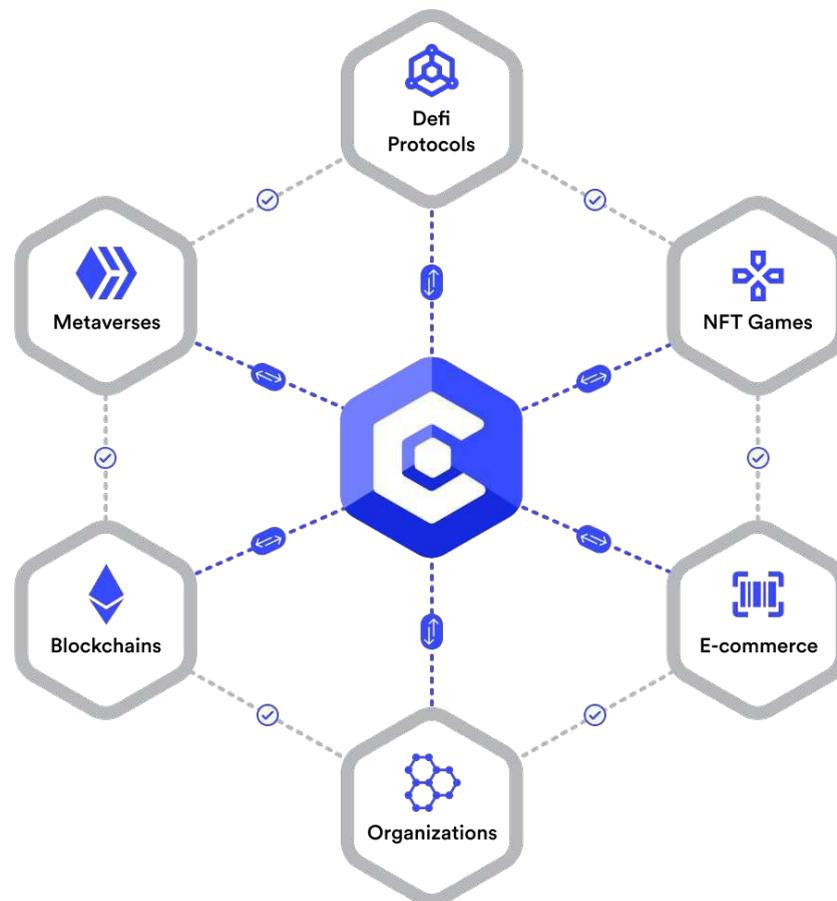


Silo Processes

Because of the prevailing reliance on siloed processes and no shared truth among organizations, Asian retailers alone lose around \$40 billion every year.

Solution

Cros is a layer 2 protocol and a framework for collaboration between organizations using blockchain smart contracts.

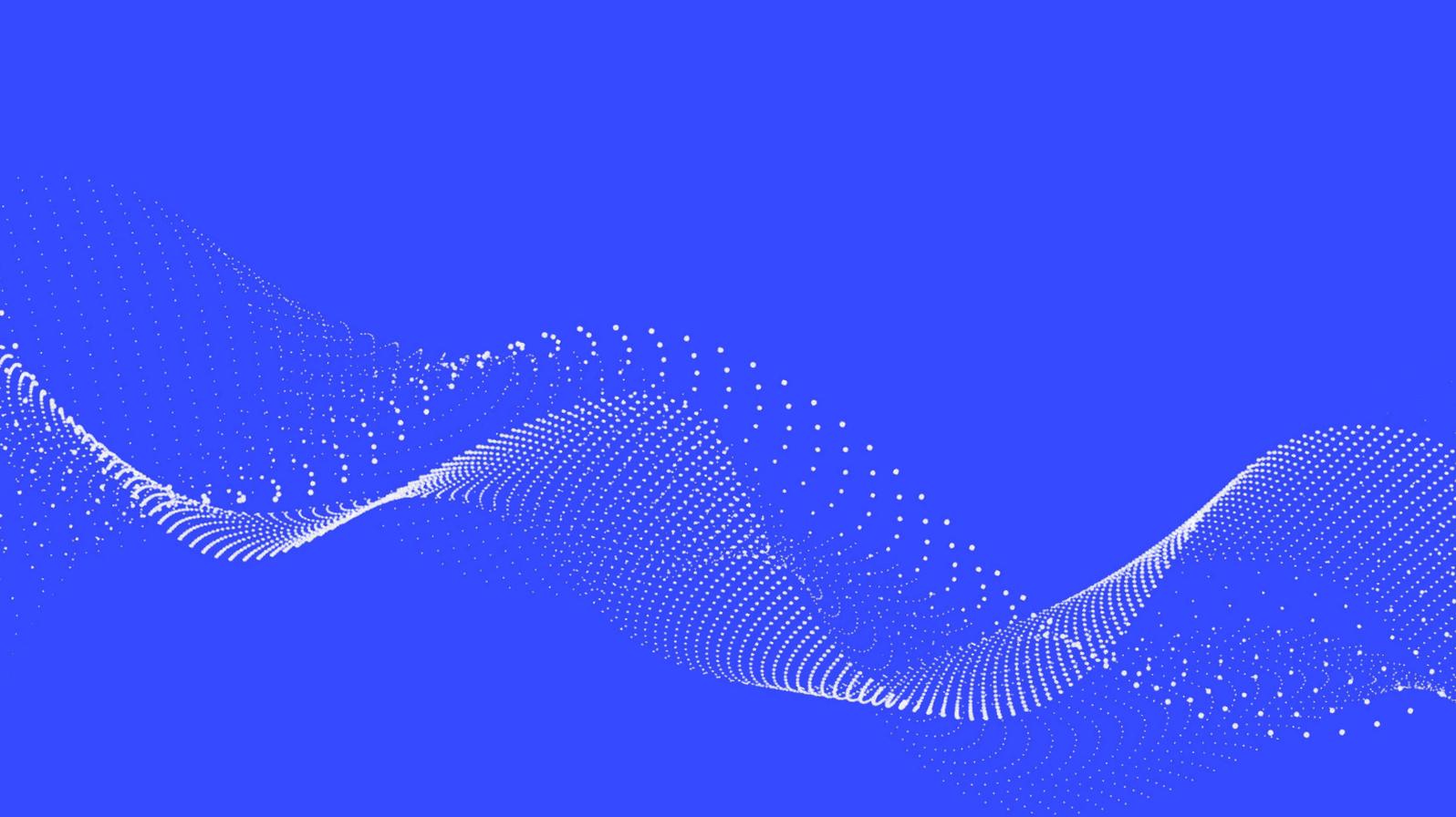


Empowering DeFi protocols, NFT platforms, Metaverses and more to execute their business processes with full traceability, and in a trustless and tamper-proof environment.

Single-Click Deployments of processes

Flexible models for developing custom processes

Interoperability Protocols for exchanging data and asset on any blockchain network



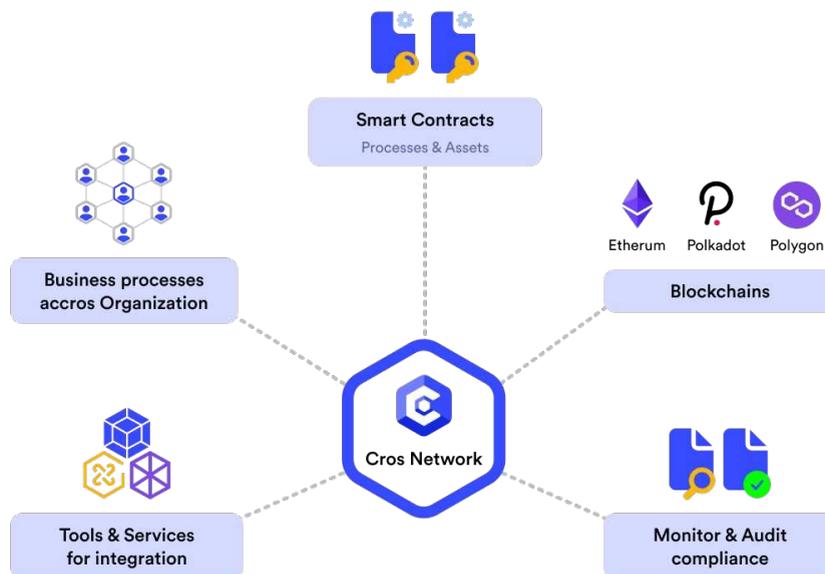
Technology

Foundation for the
Internet of value and people

Technology

Cros has been designed with an “Organization First” mindset and a focus on ease of integration and transparent execution of cross-org business processes. In our solution, we consider blockchain as any other design component and evaluate its use as a storage element, a computation element, or a communication element for interaction between other system components. It is also used as a control mechanism.

Blockchain suitability has been assessed against the key scenarios and requirements covering attributes such as multiparty, trusted authority, data immutability, and non-repudiation and transparency.



Platform

Plumbing in the form of APIs and tools with connectors to Cloud ERPs service and a rich designer to model the collaborative business processes.

Marketplace for plugins to design, compile, deploy and monitor the business processes from existing applications or a managed platform.

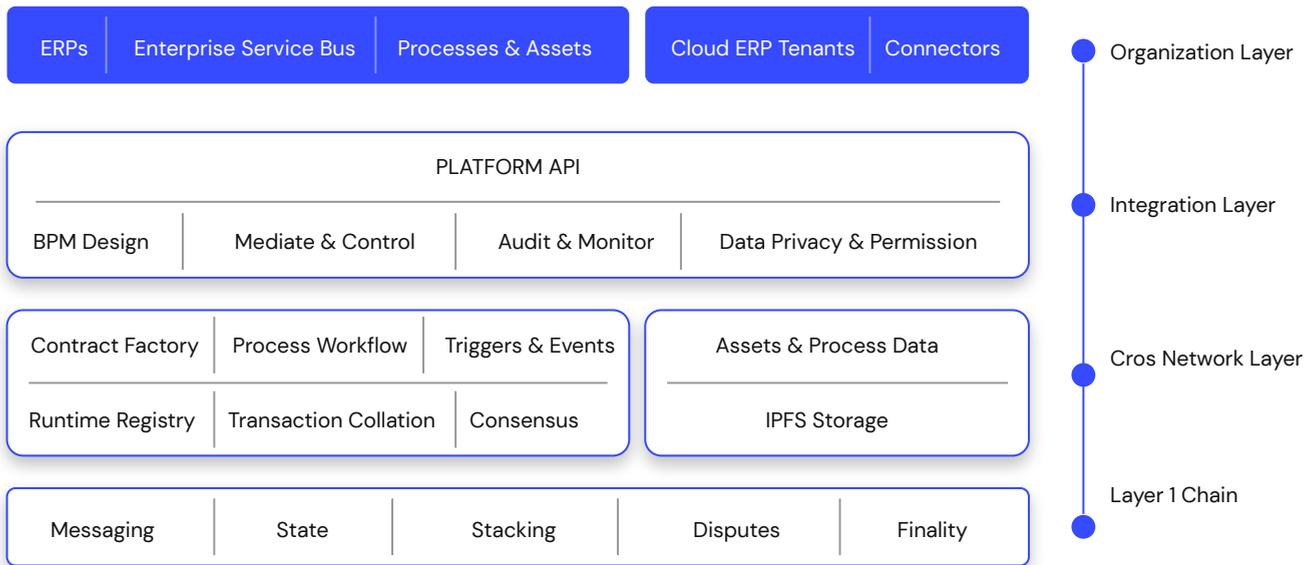
Protocol

Message and control flow between two or more participating organizations to deploy their business processes and assets, execute, control and monitor them on-chain.

Housekeeping services The protocol also covers services like process instantiation, permission management, and event triggers.

Architecture

Cros architecture consists of the following composable layers:



Organization Layer

- This layer consists of collaboration tools & processes that organizations have in their ecosystems.
- Plumbing for connecting with enterprises and other ecosystems, such as metaverses, is an integral part of this organization layer.

Integration Layer

- This layer provides the tooling for two or more participating organizations to design & deploy their business processes and assets, execute, control and monitor them.
- Pluggable architecture patterns are used to provide such services as a managed platform or through external adaptors and plugins from other ecosystem players.

Architecture

Cros Network Layer

- This layer provides housekeeping services for process instantiation through smart contracts, permission management and event triggers.
- It is also an abstraction over the transaction collation, consensus algorithms, runtime registry and asset & process data stored off-chain securely.

Layer 1

Integrates with Layer 1 protocol like Ethereum for functionality like checkpointing, staking, dispute resolution mechanism.

The Cros Token

A Democratic system owned by its users

The CROS token is an atomic unit of value exchange inside the CROS ecosystem, resulting in the creation of a transactional economy between organizations and the community of validators. Organizations will also benefit from cross-org collaboration as we redistribute part of the revenue generated in CROS to the Organizations whose business processes are being executed. This allows organizations to earn value and spend it on services within the CROS ecosystem.

The CROS token serves three distinct purposes:



Governance

Given that the organization is the root of the solution, \$CROS holders will have significant control over the protocol, whereby they will be able to participate in exceptional events such as protocol upgrades and fixes.



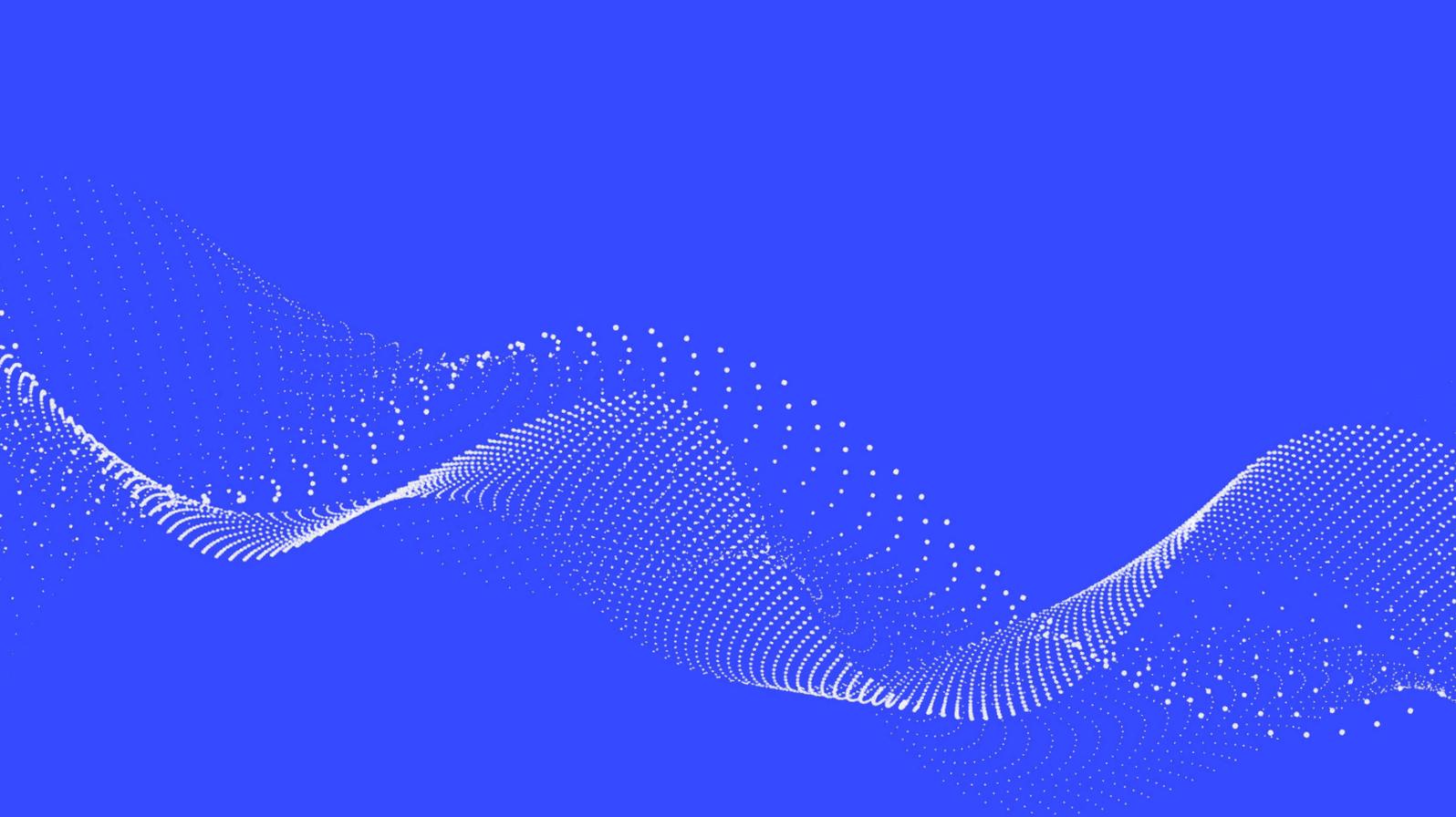
Stacking

The platform is designed using game theory to incentivize \$CROS holders to behave honestly and secure the network. Good players will be rewarded by this mechanism and bad players will be fined and ultimately lose their stake.



Validation

The network selects validators to verify each transaction on the blockchain to safeguard your data. Validators make sure that all activities on the network reflect the values of the community, which creates a democratic system owned by its users.

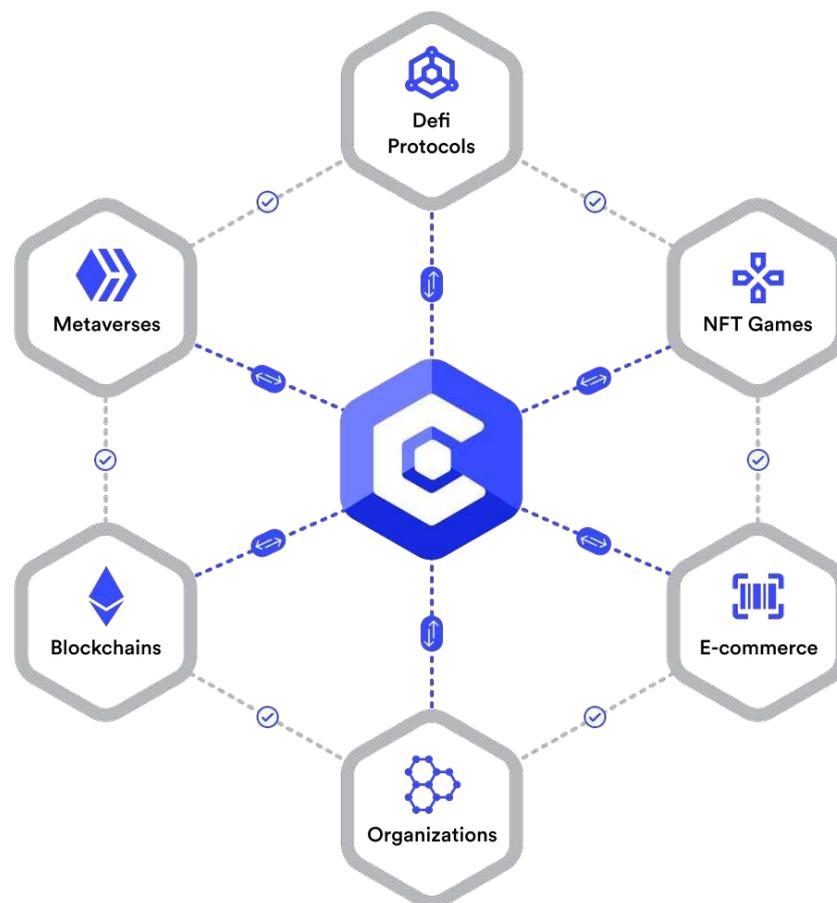


About

Who we are and
why we're doing this

Our Vision

We imagine an integrated world that is free of tamper and intermediaries, where our data and balance sheets are our own – safe from centralization.



Founders

Cros is the flagship project by Cros Foundation, a Foundation founded to facilitate a fully functional and user-friendly decentralized web.

Behind Cros is a team of pioneers with 20+ years of experience from Google, Microsoft, Oracle, Cisco, Deloitte, and EY that have banded together to facilitate a fully functional and user-friendly decentralized web.



IM Shousha
Co-founder



Ajay Bhadari
Co-founder



Hussein Abdelkarim
Co-founder

Team



Sachin A.
Principal Architect



Vikranth P.
Product Lead



Bharath K.
Engineering Manager



Sandeep G.
Senior Developer



Nirmal S.
Program Manager



Dave Elmert
Senior Product Designer

Be a part of **Cros** Community

Or see open position on Cros Network

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