v1.0

LOGOS

Logos dot-co

A Simple Guide to Reformatting Society
and Self-Installation

v1.0

A fearless adventure
in knowing what to do
when no one's there
telling you what to do

First Edition
2022
FREE.Press machine

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Preface

"If it proves impossible legally to compel the ruling power to change the
ways it governs us, and if for various reasons those who reject this power
cannot or do not wish to overthrow it by force, then the creation of an inde-
pendent or alternative or parallel [society] is the only dignified solution…"

Ivan Jirous
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Parallel Polis:
An Inquiry

(1)
Welcome to LOGOS

Logos is the world's first crypto-state.

A parallel socioeconomic system that empowers individuals and communities worldwide.

Logos is a _movement_ to create a self-sovereign crypto network: a decentralised technology stack that maximises the cost of surveillance and coercion while minimising the cost of exit, voice and loyalty.

Logos has the ambitious mandate of building a complete _decentralized technology stack_ for communication, storage and smart contracts that upholds our basic human rights and defends against tyranny.

Logos enables a parallel socioeconomic system, through its decentralized technology stack through the deployment _new types of applications, public goods and social institutions_ atop of it. This aims to bringing greater freedom, transparency and stability to its members through voluntary participation.

Why
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The world needs more humane technology, and environments that respect our freedom.

We stand at the dawn of a new era. Big Tech, big banks, and even public institutions are failing us. Trust in government and social institutions continue to fall. And for good reason - entrusting all of our personal data to these arbitrary entities on the internet, and all of our financial resources to faceless bureaucracies has proven a fundamentally flawed model.

For every day we see new security breaches, new attempts to force surveillance into law, new violations of our privacy, and new corruption scandals emerge. The surveillance state Leviathan appears to be only becoming stronger. But we needn't feel desolate.

Through advancements in cryptography and p2p software, there's a brighter future ahead. We're laying the foundation for the creation of a parallel set of institutions and services, that will run atop open source, peer-to-peer networks. We believe in building the future we want to live in, and conducting our lives using these systems will lead to a more peaceful, trustworthy 21st century.

Logos is an experiment to build a new society at the frontier - where people are free to express themselves, and peacefully explore and create. And we need your help.

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Architecture

Logos
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Architecture

A self-sovereign crypto network <u>requires</u> a permission-less, private, and censorship-resistant technology stack.

Our current approach involves <u>modular p2p protocols</u> for each <u>consensus (blockchain), communication, and file storage</u> - carrying the torch of the the original <u>'Web 3.0' vision</u>.

Together these form Logos' three primary protocols. Each of which have dedicated teams, and are in varying stages of research and development.

Logos

Consensus   Communication   Storage

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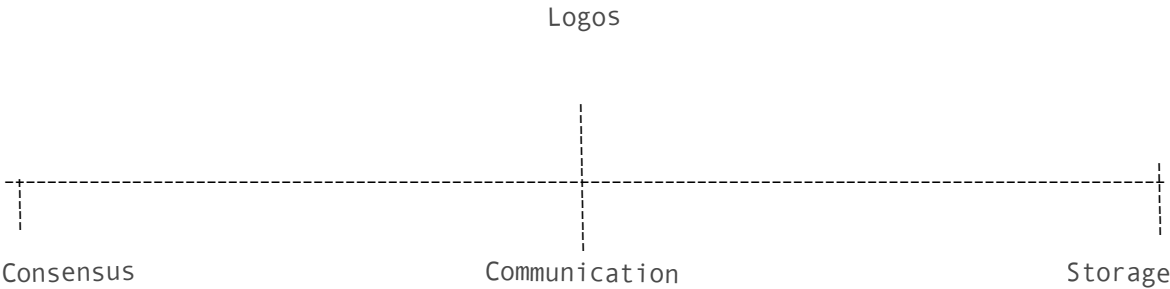
Current Progress
Pt 1:

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Communication

Waku is a peer-to-peer communication layer.

\The first protocol in Logos' stack is Waku, which has its origins in Ethereum's Whisper protocol, but is optimized for scalability and better usability. Waku removes centralized third parties from messaging - enabling private, secure, censorship-free communication.

Waku removes centralized third parties from messaging - enabling private, secure, censorship-free communication. Waku is designed for generalized messaging, enabling both human-to-human or machine-to-machine communication.

Waku is in production and is actively being used by projects like Status and WalletConnect_v2.

It's economic spam protection is still under research, and a paper published on the topic can be found here.

Current Specification   Research Forum   Github

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Current Progress
Pt 2:

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Storage

Codex is a decentralized file storage network.

Whilst p2p storage networks have been around for quite a long time, the lack of incentives, strong data availability, and persistence guarantees make these networks unsuitable for applications with moderate to high availability requirements. In other words, without reliability at the storage layer it is impossible to build other reliable applications on top of it. Codex aims to solve this by supplying:

•   An incentivized p2p storage network with strong availability and persistence guarantees.
•   A resource restricted friendly protocol that can endure higher levels of churn and large amounts of ephemeral devices.

Codex has a working PoC, as is expected to be in production by 2023.

"Outlining the parallel structures which had come into existence or might do so in the future, Benda argued that…these might gradually supplant or at least humanise the existing official structures."

- H. Gordon Skilling, Civic Freedom in Central Europe

(3)

Current Progress
Pt 3:

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Consensus

Logos Blockchain is a heterogeneous blockchain network.

The third component of the Logos' stack is a blockchain network that aims to provide fast, scalable and secure smart contracts, with near-instant transaction finality.

We're developing a leaderless consensus algorithm, which is currently under active research. Our current repos and tests are set to private until the research begins to mature slightly, but are available on request.

The first two client implementations will be written in Nim and Rust. The same team developing Nimbus, one of the leading Ethereum Consensus Clients, will expand its resources to take on the Nim implementation once the first specification has been published.

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Current Progress
Pt 4:

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Ecosystem

Building the Logos Ecosystem.

When all three of these networks reach production, and there exists seamless developer tooling, a solid foundation will be set for building truly peer-to-peer applications.

Ethereum has demonstrated what's possible when a global community conduct experiments to create decentralized applications and services. In their current form these aren't decentralized given their front-ends, and the current dependency on Infura, they nevertheless show how quickly an economy and ecosystem can form when useful technology exists.

Logos will require also require developer education and advocacy, but have a focus primarily on people who share our principles and political views, rath-

Logos Zones
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Establishing Real World Communities.

We envisage the emergence of autonomous, crypto-native communities all around
the world utilizing Logos' infrastructure and, paving way to economic oppor-
tunities for communities to thrive whilst respecting their freedoms.

To seed the idea and provide a proof of concept, we are currently exploring
the purchase of an island in the Caribbean, with the intention of fostering
small, entirely crypto-native community who wish to live at the frontier and
inspire
others to do the same.
We expect this transaction to take place in Q3/Q4 2022, after which time the
land will be transferred to a non-profit foundation which is held accountable
by anyone who volunteers to live on the island through a set of governance
smart contracts.

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Logos

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Funding

Funding

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Logos is an open source project built and operated entirely by its community. It will exist as a parallel socioeconomic system, existing peacefully alongside our existing economies and institutions.

To will Logos into existence requires dedicated teams of researchers, engineers and activists.

The current research and client teams are currently funded by Status, an organization who are committed to funding a 100 full time core contributors for the next 3 years in order to deploy the project.

We seek other principally aligned organizations to also commit their time, resources and expertise until the network reaches a point of self-sustainability.

"Make it your goal to live a culture of liberty; spend your free time building the Nation State, as well as visibly supporting the autonomy of others, whether that takes the form of mutual aid or vigilantism" -Michael Chatfield, The Second Realm

Join us

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Logos is a continuation of the original cypherpunk movement advocating for the widespread use of strong cryptography and technologies that enhance privacy and self-sovereignty.

At its base, Logos is a complete infrastructure stack - with modular protocols for communication, file storage, and smart contracts.

But at its core, Logos is a grassroots movement unified in our belief in protecting human rights and defending against tyranny through technology. We invites technologists, creatives, and policy experts, along with anyone passionate about our mission to participate in its creation, and help govern its future.

A Cypherpunk's Manifesto
by Eric Hughes

Privacy is necessary for an open society in the electronic age. Privacy is not secrecy. A private matter is something one doesn't want the whole world to know, but a secret matter is something one doesn't want anybody to know. Privacy is the power to selectively reveal oneself to the world.

If two parties have some sort of dealings, then each has a memory of their interaction. Each party can speak about their own memory of this; how could anyone prevent it? One could pass laws against it, but the freedom of speech, even more than privacy, is fundamental to an open society; we seek not to restrict any speech at all. If many parties speak together in the same forum, each can speak to all the others and aggregate together knowledge about individuals and other parties. The power of electronic communications has enabled such group speech, and it will not go away merely because we might want it to.

Since we desire privacy, we must ensure that each party to a transaction have knowledge only of that which is directly necessary for that transaction. Since any information can be spoken of, we must ensure that we reveal as little as possible. In most cases personal identity is not salient. When I purchase a magazine at a store and hand cash to the clerk, there is no need to know who I am. When I ask my electronic mail provider to send and receive messages, my provider need not know to whom I am speaking or what I am saying or what others are saying to me; my provider only need know how to get the message there and how much I owe them in fees. When my identity is revealed by the underlying mechanism of the transaction, I have no privacy. I cannot here selectively reveal myself; I must always reveal myself.

Therefore, privacy in an open society requires anonymous transaction systems. Until now, cash has been the primary such system. An anonymous transaction system is not a secret transaction system. An anonymous system empowers individuals to reveal their identity when desired and only when desired; this is the essence of privacy.

Privacy in an open society also requires cryptography. If I say something, I want it heard only by those for whom I intend it. If the content of my speech is available to the world, I have no privacy. To encrypt is to indicate the desire for privacy, and to encrypt with weak cryptography is to indicate not too much desire for privacy. Furthermore, to reveal one's identity with assurance when the default is anonymity requires the cryptographic signature.

We cannot expect governments, corporations, or other large, faceless organizations to grant us privacy out of their beneficence. It is to their advantage to speak of us, and we should expect that they will speak. To try to prevent their speech is to fight against the realities of information. Information does not just want to be free, it longs to be free. Information expands to fill the available storage space. Information is Rumor's younger, stronger cousin; Information is fleeter of foot, has more eyes, knows more, and understands less than Rumor.

We must defend our own privacy if we expect to have any. We must come together and create systems which allow anonymous transactions to take place. People have been defending their own privacy for centuries with whispers, darkness, envelopes, closed doors, secret handshakes, and couriers. The technologies of the past did not allow for strong privacy, but electronic technologies do.

We the Cypherpunks are dedicated to building anonymous systems. We are defending our privacy with cryptography, with anonymous mail forwarding systems, with digital signatures, and with electronic money.

Cypherpunks write code. We know that someone has to write software to defend privacy, and since we can't get privacy unless we all do, we're going to write it. We publish our code so that our fellow Cypherpunks may practice and play with it. Our code is free for all to use, worldwide. We don't much care if you don't approve of the software we write. We know that software can't be destroyed and that a widely dispersed system can't be shut down.

Cypherpunks deplore regulations on cryptography, for encryption is fundamentally a private act. The act of encryption, in fact, removes information from the public realm. Even laws against cryptography reach only so far as a nation's border and the arm of its violence. Cryptography will ineluctably spread over the whole globe, and with it the anonymous transactions systems that it makes possible.

For privacy to be widespread it must be part of a social contract. People must come and together deploy these systems for the common good. Privacy only extends so far as the cooperation of one's fellows in society. We the Cypherpunks seek your questions and your concerns and hope we may engage you so that we do not deceive ourselves. We will not, however, be moved out of our course because some may disagree with our goals.

The Cypherpunks are actively engaged in making the networks safer for privacy. Let us proceed together apace.Onward.

Eric Hughes <hughes@soda.berkeley.edu>