

NKN: New Kind of Network

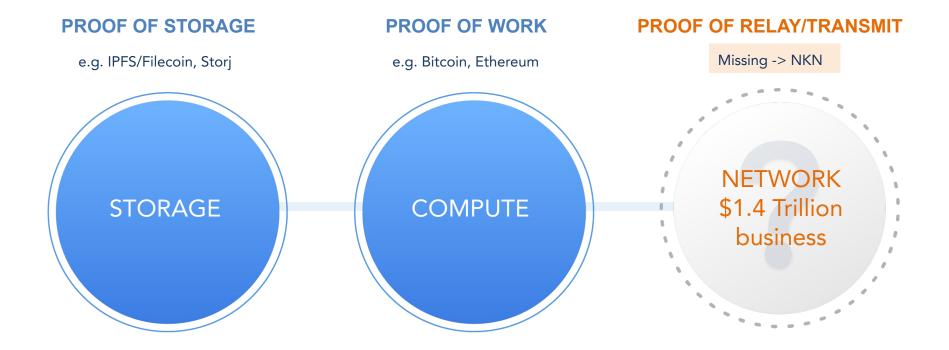
building the world's largest blockchain for network sharing

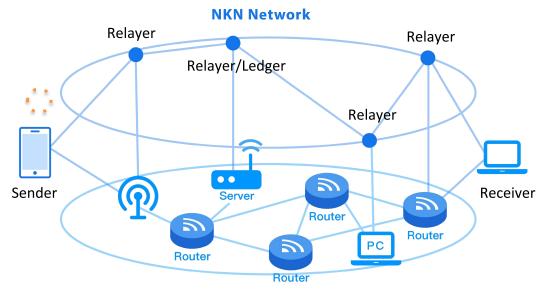
Node Map

NKN is building the world's largest blockchain network



NKN full nodes all around the world, with more nodes than Bitcoin network.





Internet Infrastructure

- A new kind of P2P network connectivity protocol & ecosystem powered by a novel public blockchain.
- Economic incentives are provided to motivate Internet users to share network connection and bandwidth.
- A decentralized platform that contributes as the indispensable networking infrastructure for Web 3.0, the better Internet with transparent and open mechanism, by providing the server-less communication with security and privacy.

A NEW KIND OF NETWORK 🚷

The NKN Advantages



Millions of nodes



High aggregated throughput



Zero Server









Low latency

NKN core technology innovations

Dynamic topology & routing based on Chord DHT, overlay on top of TCP/IP





Signature Chain for secure and verifiable data transmission; useful proof of work



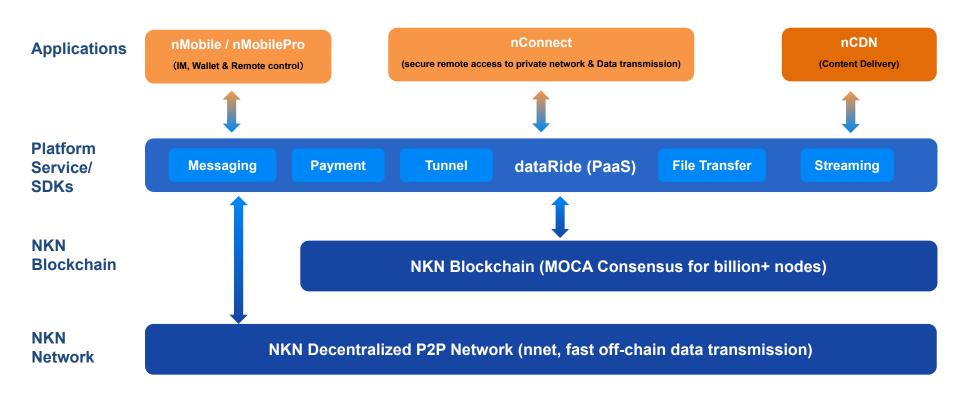
MOCA consensus algorithm for Billions of equal nodes





Relay and mining reward to incentivize sharing and building the new Internet

NKN system, services and products



DataRide: Decentralized Networking PaaS

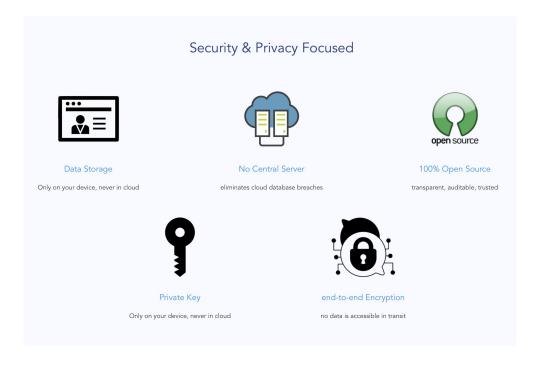
DataRide: NKN's decentralized PaaS, built on crowd-sourced servers, provide the ultimate fast, reliable, secure and low-cost messaging, streaming and file transfer service for person to person, machine-human as well as machine-machine communication.



nMobile on DataRide

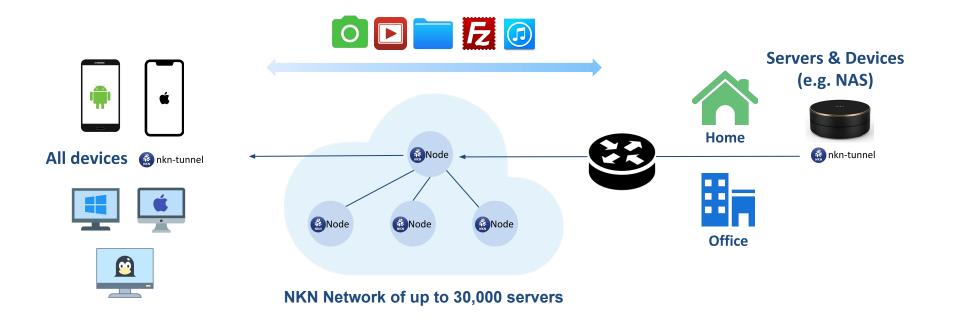
The Trusted Chat: the World's most secure chat, where your personal data is kept only on your device with your private one-on-one chat ensured by end-to-end encryption.





nConnect on dataRide

nConnect: secure remote access and connection to files and apps on private network



nCDN on dataRide



nCDN: A new kind of content delivery network, a crowdsourced service offering accelerated performance for website, video and all kinds of rich media contents.



Key Benefits

★ 24*7 Always on ★

★ Low cost

★ High Speed

★ Massive scale

★ Lowest Latency

★ Especially good for popular and longtail content

★ Dependable

★ Smartest scheduling

Commercial Success



NKN with iQIYI



NKN with AWS



NKN with Synology



NKN with Google Cloud



NKN with China Mobile



NKN with DigitalOcean



Applications by community



D-ChatSecure and decentralized chat
More information



Surge:A fast and secure P2P file sharing application

<u>More information</u>



nknXNKN node and wallet manager
More information



nStatus: NKN node analyser <u>More information</u>



NKN shellShell access over NKN network
More information



nFTP File transferSends file securely over NKN

<u>More information</u>



VaultMulti OS desktop wallet
More information



nScan NKN blockchain explorer <u>More information</u>

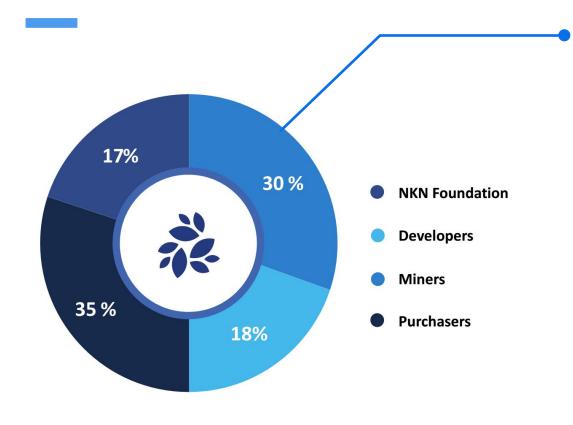


ECOSYSTEM

Economic model, partnership, token metrics



Token metrics

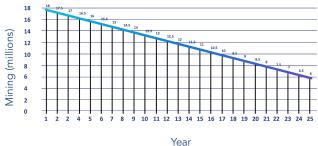


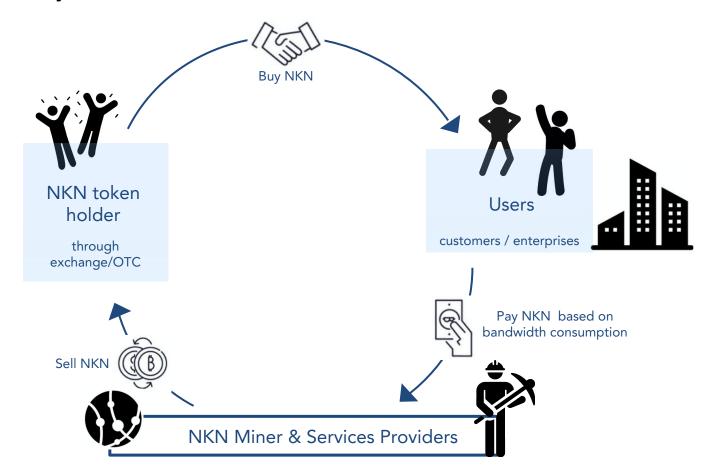
At genesis

- NKN Foundation: strategic investment in building the ecosystem (17%)
- Developers: founding team, community developers (18%)
- Purchasers: purchasers of NKN tokens (35%)

Over 25 years

Miners: get reward for traffic relay & block maintenance (30%)



















Strategic partners & alliances



















































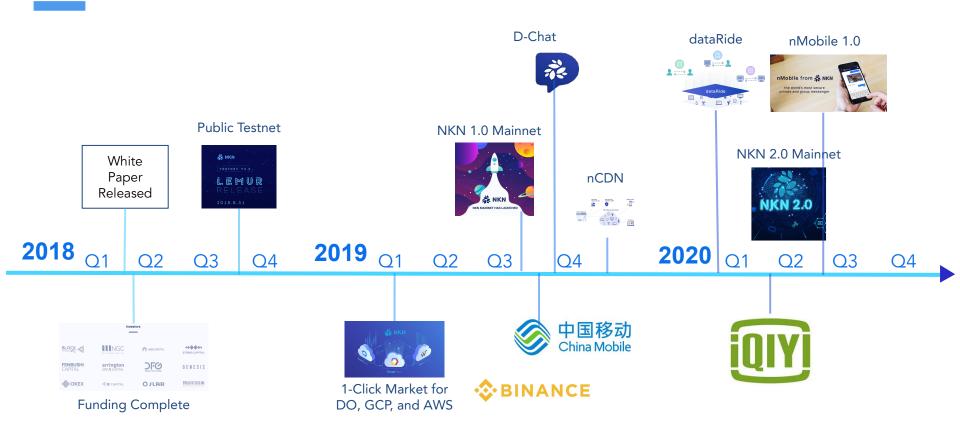




Milestones & Roadmap



NKN Achievements Timeline (2018 - now)



NKN Roadmap beyond 2.0

Technology

Mainnet integration with exchanges and hardware wallet

Fast block synchronization

More client and wallet SDK supporting different programming languages

Remove limitation on fixed ports and single IP address per node

Support IPv6

Commercialization

Pursue the addition of new crypto exchanges for NKN token holders around the world

Accelerate token circulation by growing business in dataRide and nCDN

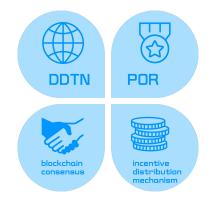
Forge new partnerships for intergalactic communication infrastructure

Expand nMobile, the extra secure server-less and trusted chat, to mainstream

Sponsor development community for significant applications utilizing NKN

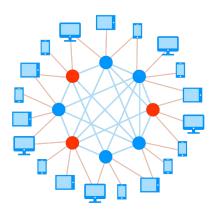
NKN Research Directions







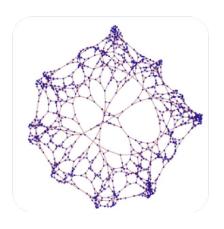
Scale to billions of nodes
Proof of Relay
Micro payment
Instant settlement



Decentralized Cloud & Edge

True global reachability via NKN Address; Massively peer to peer data relay and caching PaaS

Smart scheduling & routing based on price, performance, utilization



Advanced Research

Self evolution of NKN network topology and routing Using Cellular Automata for massive smart "pod" computational evolution and artificial intelligence



ABOUT

Project overview and core team



NKN Project overview



- NKN was founded in January 2018 by a group of entrepreneurs and engineers with many years of building networking and blockchain technology in companies like Google, Nokia, QCOM, Baidu, and OnChain.
- The ideal driving this team is that blockchain provides both technical and economic innovations to disrupt the networking business.
- The team has two sites, in Silicon Valley, California and Beijing, China.

Core team and advisors





Yanbo Li Founder | Strategy & System Architecture ex-OnChain co-founder



Bruce Li Co-Founder | Strategy & **Operations**



Dr. Yilun Zhang Co-Founder | Core Researcher & Developer

ex-Googler & Nokia



Allen Dixon **Business Development** & Compliance

ex-Nokia



Dr. Whitfield Diffie NKN Technical Advisor 2015 Turing Award winner co-inventor of public key cryptography



NKN Technical Advisor Author of New Kind of Science

Dr. Stephen Wolfram

Chief designer of Mathematica and the Wolfram





Baidu-Owned Video Streaming Giant iQiyi Taps Public Blockchain for Performance Boost

"The joint effort marks a step forward in the development and interoperability of two emerging technological innovations, blockchain and edge computing, NKN said "



Narwhal: NKN's New **Mainnet Comes To Surface**

"The Narwhal Mainnet is NKN's first step to create the world's largest permissionless public blockchain by number of nodes. The testnet already registered 13.000 full consensus nodes, and now the project hopes to scale it up to "millions if not trillions of nodes ""



Case Study: NKN

"At the same time China Mobile was rolling out its 5G service, NKN began engaging with one of the largest Video Service Providers in China that have been experiencing phenomenal customer growth and looking for new ways to meet the growing demand."



An NKN Odyssey: A Billion Nodes with Dr. Zhang

"Let me be explicit: the current NKN node code, without any modification, will work with one billion full nodes without any problem."



Free the bits, rebuild our Internet.

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https://twitter.com/NKN_ORG