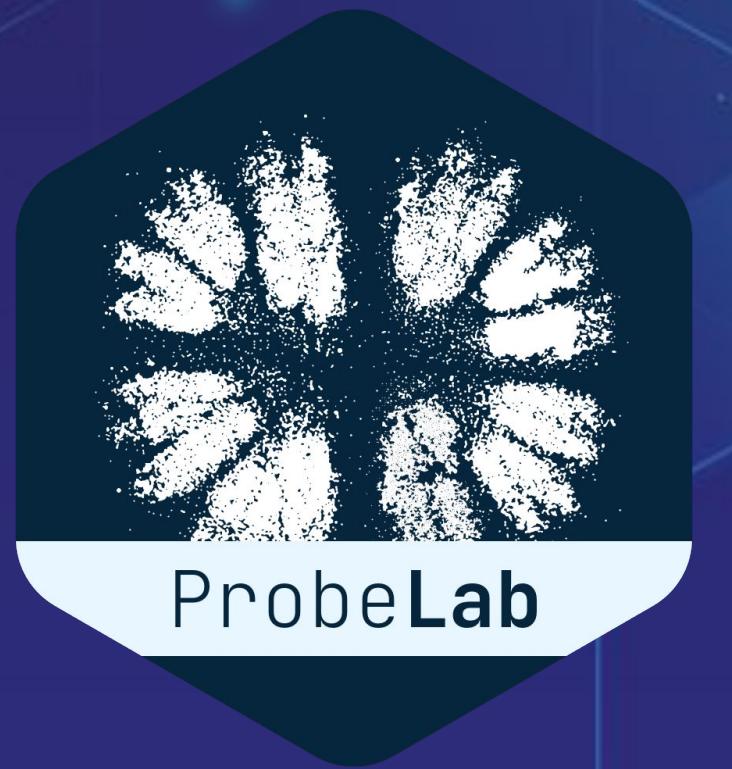
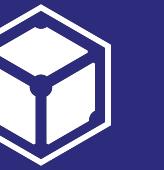


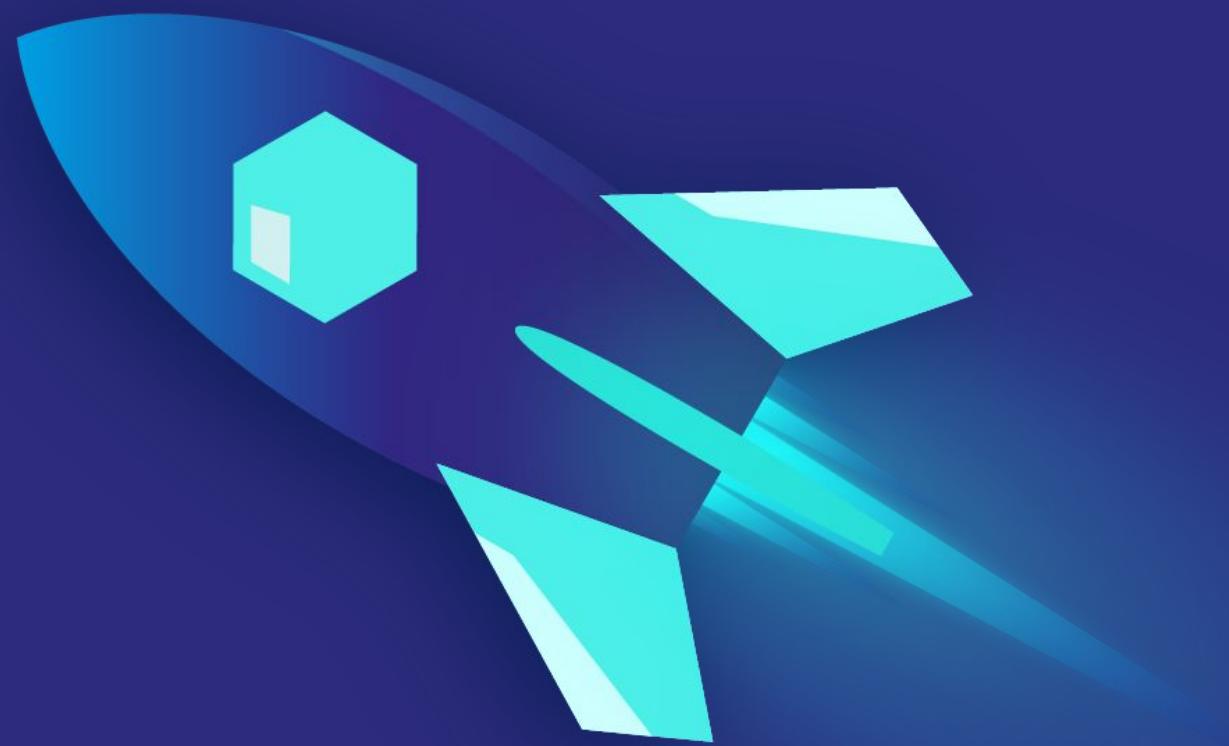
ProbeLab

Metrics for Data-Driven Protocol Design and
Optimization



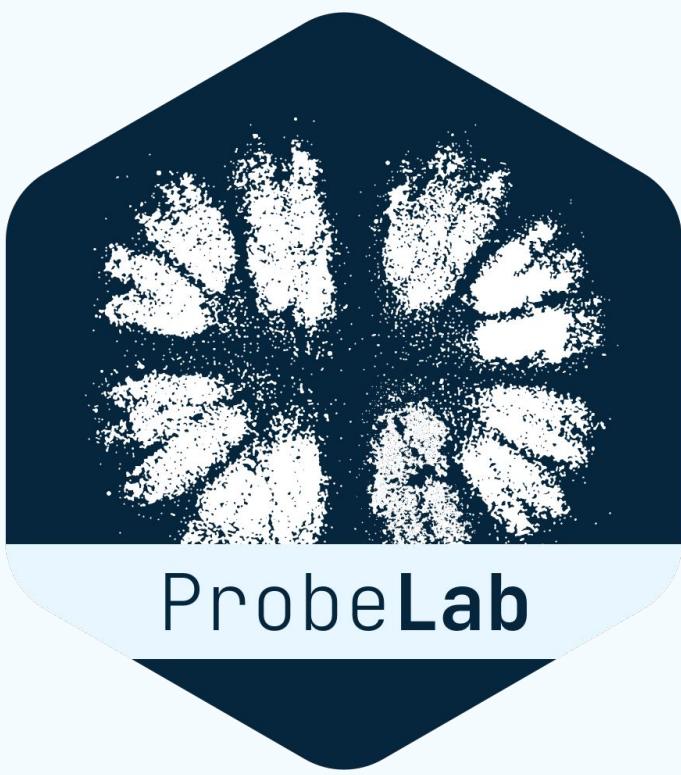


We distinguish signal from noise through *rigorous P2P protocol measurements and benchmarking* in order to make your P2P network faster.



ProbeLab

Why look deeper





ProbeLab Impact:

We make P2P networks better and faster

Fetch Latency

Latency Gains

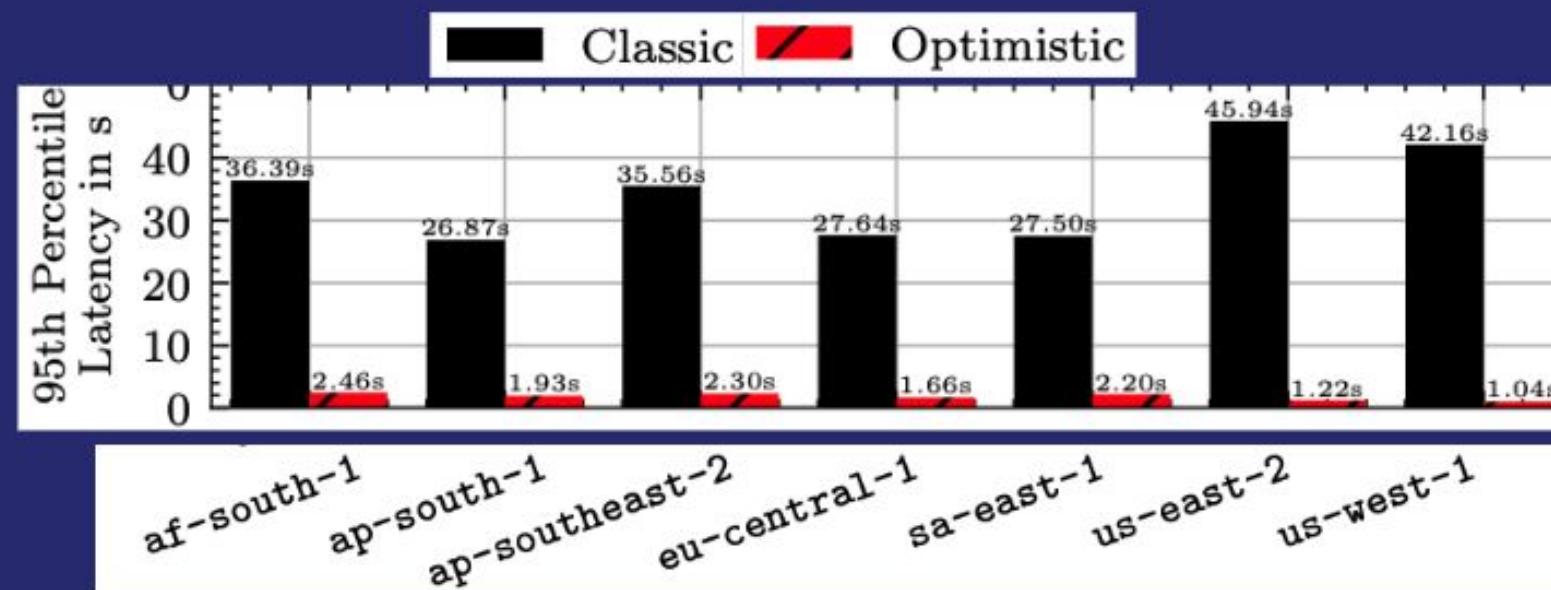
We've identified severe network incidents and reduced IPFS fetch latency by **50%**.



Publish Latency

Latency Gains

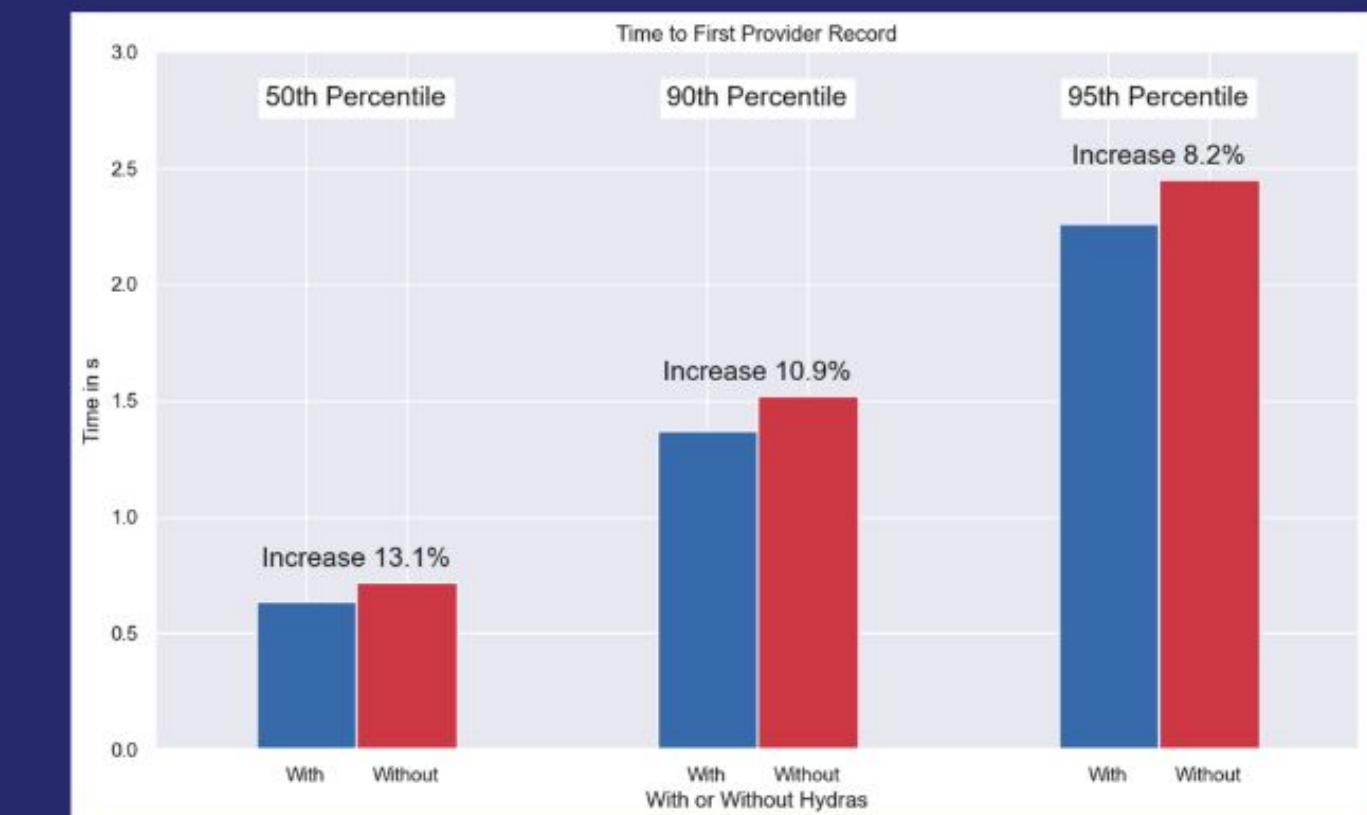
We've built Optimistic Provide to reduce publication latency to the IPFS DHT by **20x-40x**!



IPFS Architecture Revamp

Huge Cost Savings

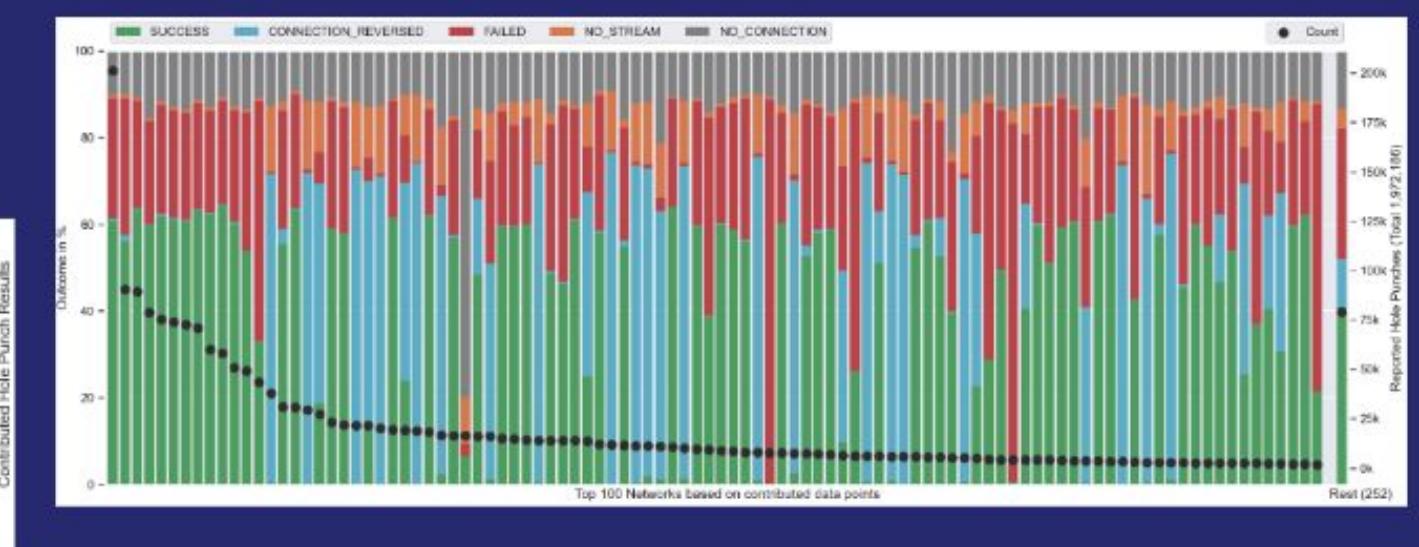
We identified that Hydra boosters were only improving performance of the Amino IPFS DHT network by ~**10%**, worked with the team to shut them down, and saved **~\$1.2M/yr.**



NAT Hole Punching Campaign

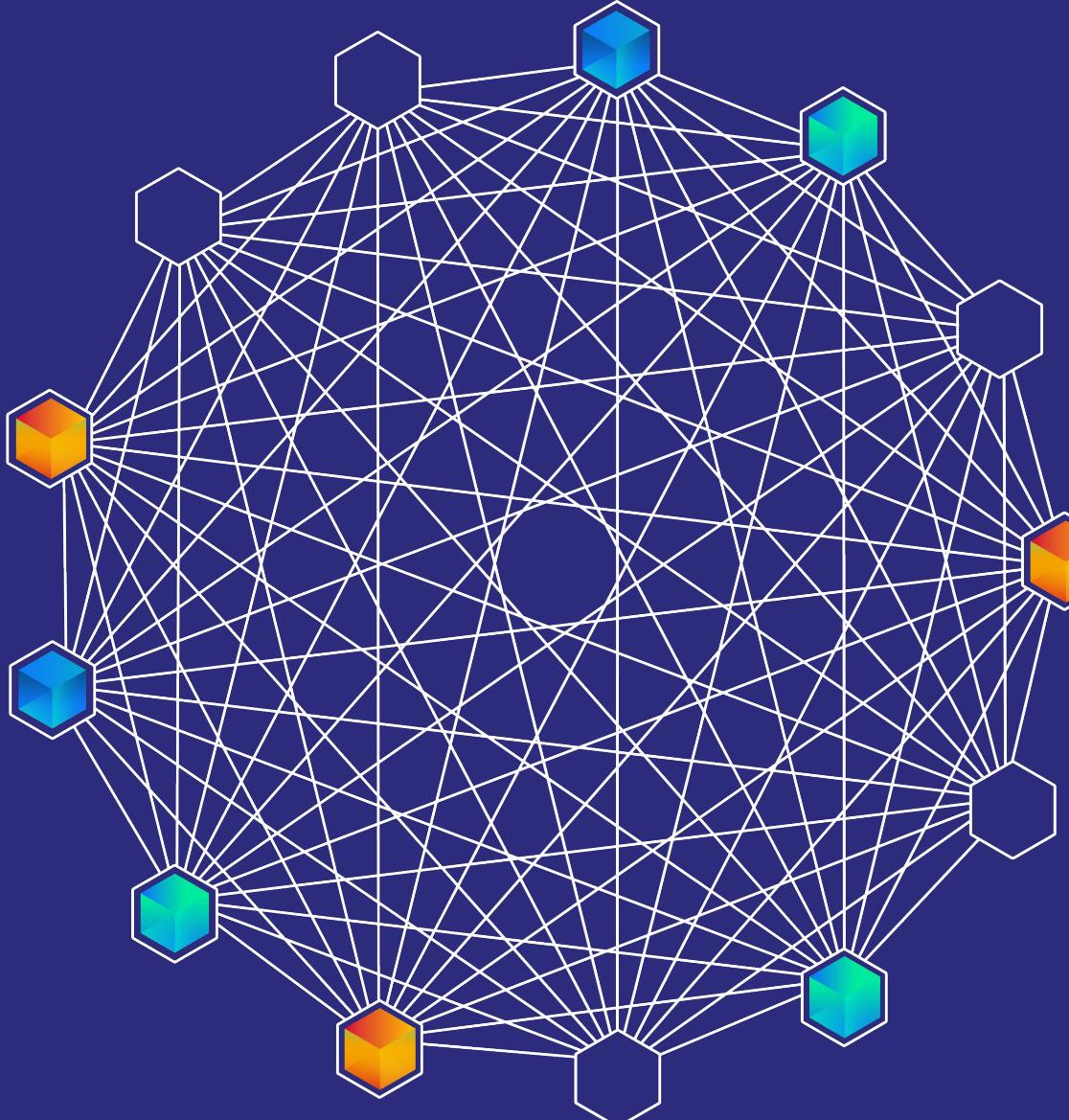
libp2p Improvements

We've attempted **6.25M hole punches** in **167 countries** and **>350 networks**, made vital improvements to libp2p's NAT Hole Punching.





Continuous Monitoring Infrastructure



We're monitoring the right metrics to quantify the health of Web3.0 networks and [save you money directly, or indirectly.](https://probelab.io)

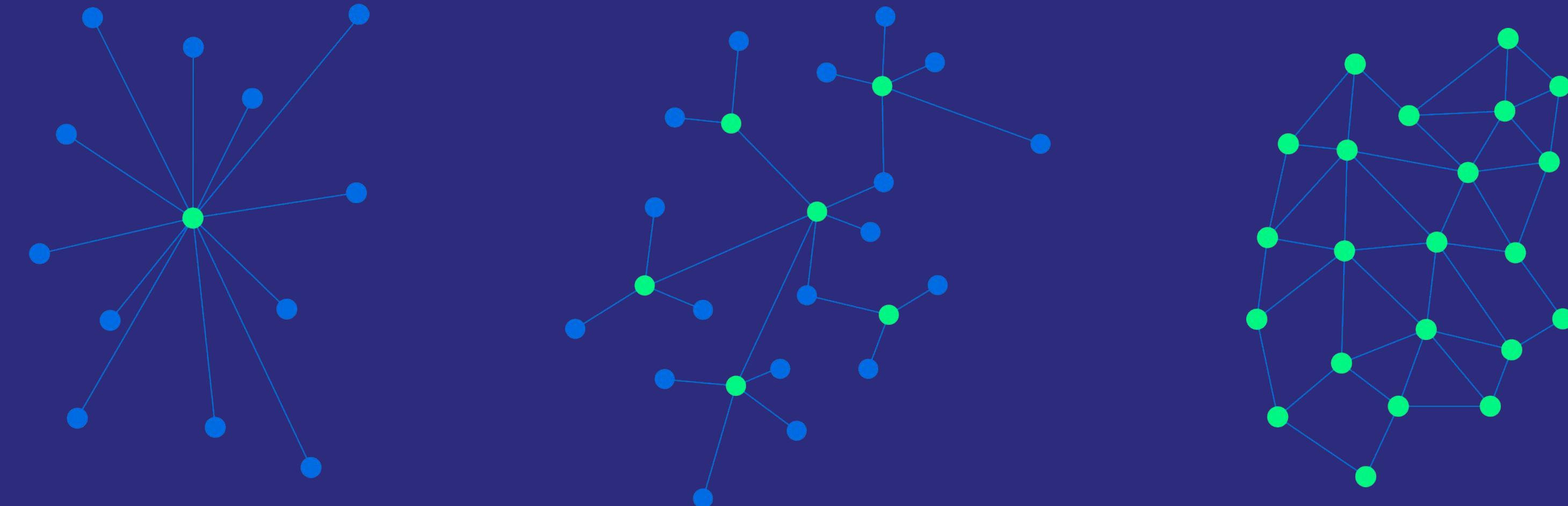
Check <https://probelab.io>





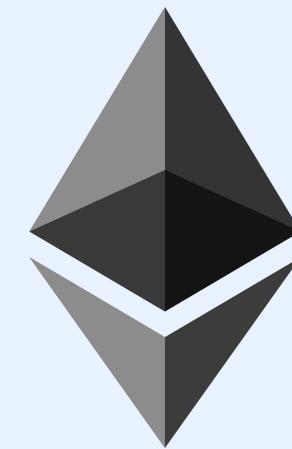
Benchmarking Rigour

Why does Web3.0 need ProbeLab



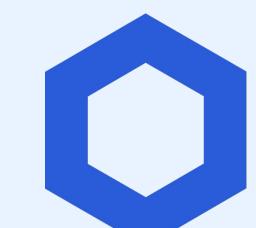
Every blockchain needs a way to transport bits around. **Doing it right can be a game-changer.**

Web3.0 needs to adopt the performance monitoring and benchmarking rigour of Web2.0, if it is to gain wide adoption and flourish.



\$243B

Market cap 10/10



Chainlink

polygon

\$8.1B

\$7.4B

Polkadot.



\$2B

MANTLE

\$1.3B

OP Optimism

\$1.3B

Multiversx

\$1B

Algorand™

\$962M

flow

\$618M

MINA

\$656M

IOTA

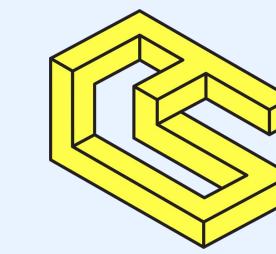
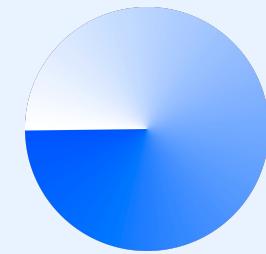
\$520M

OASIS NETWORK

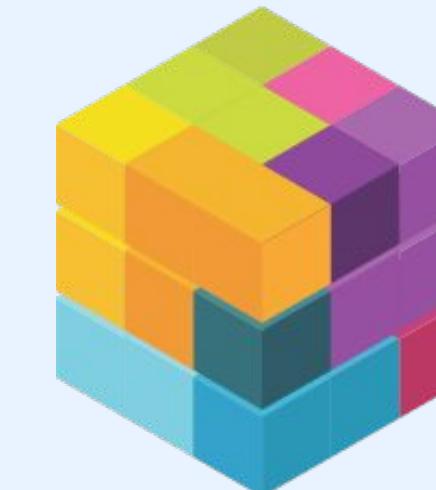
\$429M

CELESTIA

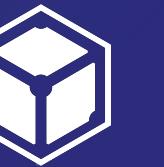
\$336M



... and more!



So far, we've focused mostly on IPFS.
We're now expanding to other -based networks.



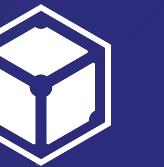
Fundraising Plan

The Roadmap

-
-
-
-
- 1. IPNS Performance Measurement and Protocol Improvement
- 2. Gossipsub Performance and Security Guarantees
- 3. libp2p Bandwidth Requirement Baseline (in various networks)
- 4. *<Reserved - TBD by the biggest sponsor>*



We are raising funding from **IPFS-based applications** and **libp2p-based networks** to tackle these milestones.



Fundraising Plan

The ASK

Three Sponsorship Tiers

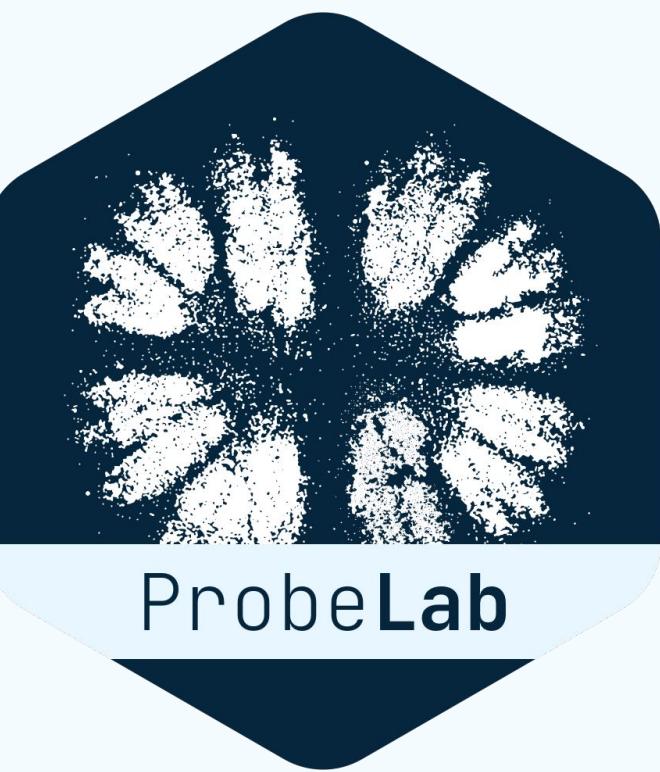
- **Tailor-made:** Hire part of the team to work on your project
- **Champion:** Add item of your choice to the roadmap
- **Guardian:** Vote on stack-ranking roadmap items



Sponsor our work to help cultivate a data-driven protocol design culture.

ProbeLab

The Team



Yiannis Psaras
Team Lead
[Website](#)



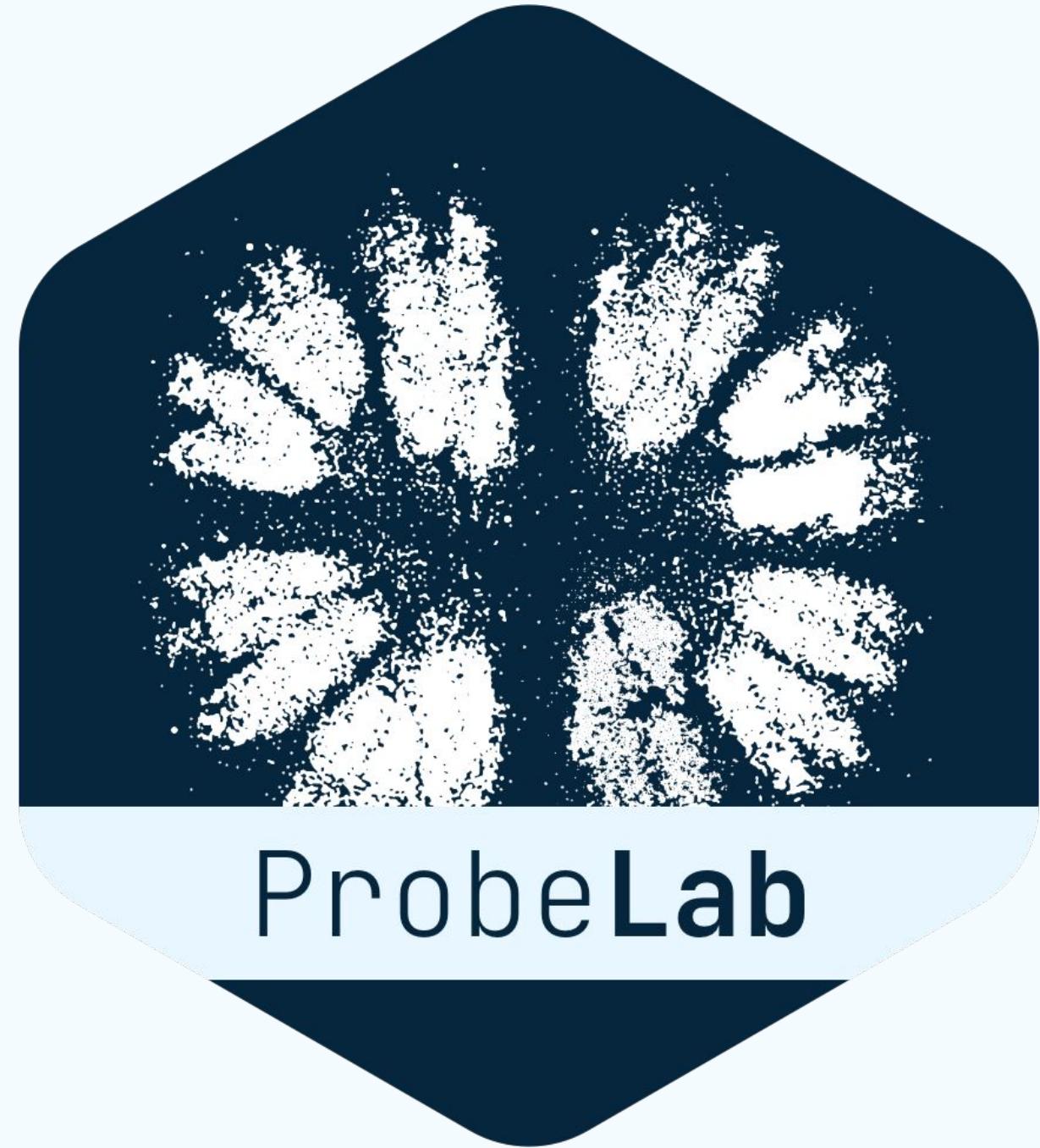
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Guillaume Michel
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Software Engineer
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Thank you!

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