CHAINBOUND

Fiber

An overview of the product (08/12/2022)
https://fiber.chainbound.io
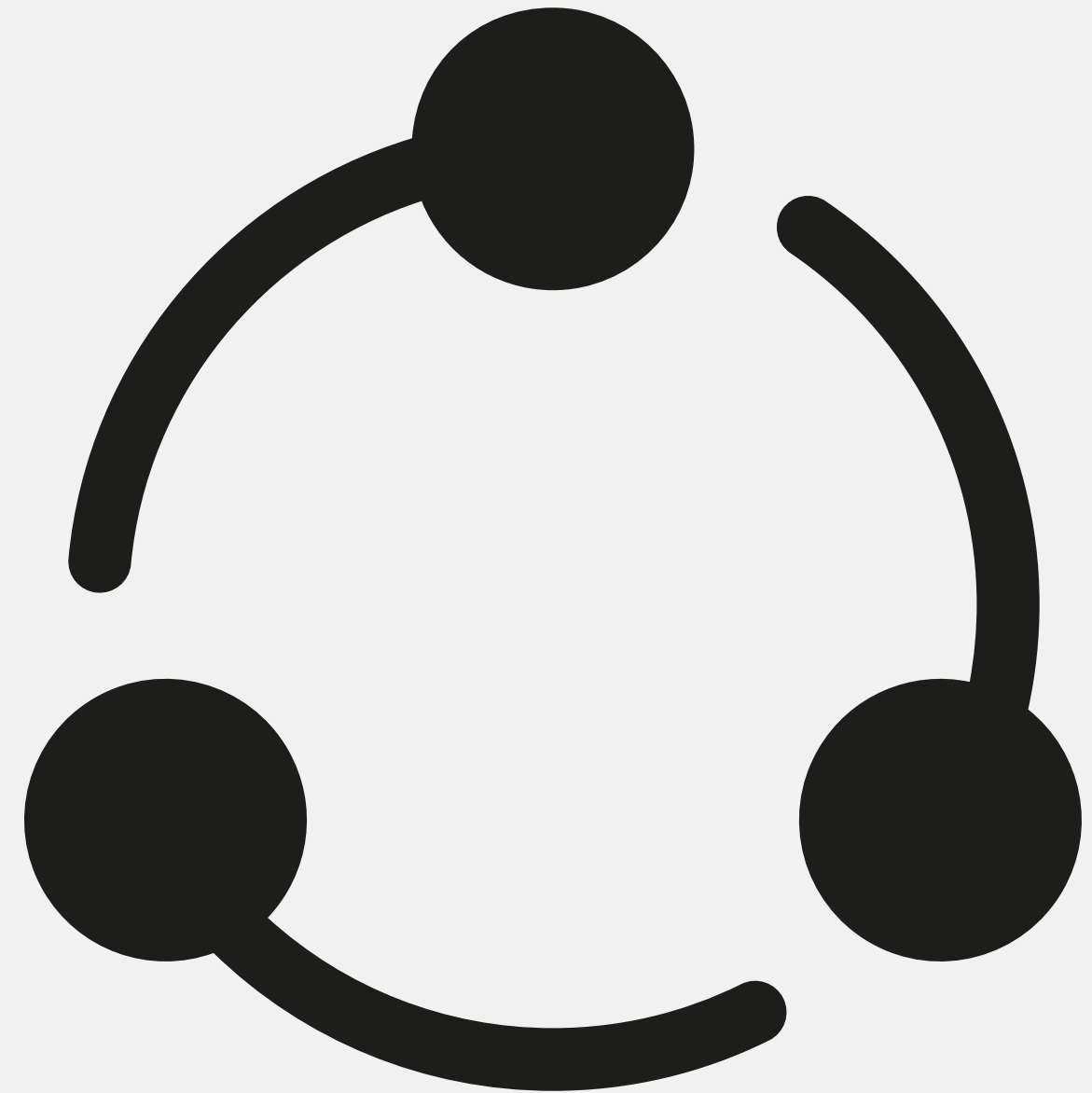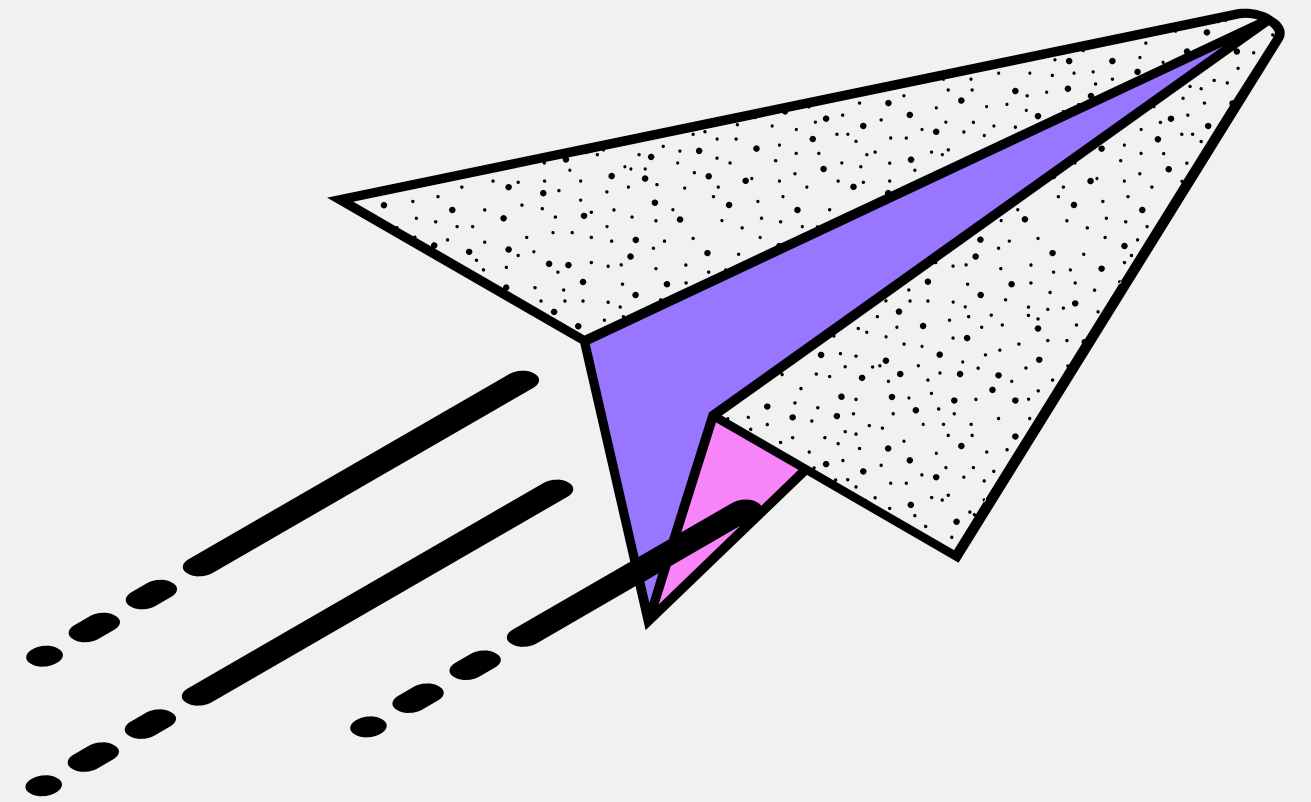
Fiber
in a nutshell

Fiber is a global network of nodes connected to the Ethereum p2p network, for low latency access to transactions everywhere

Features

As of now

16 nodes across 13 regions

Highly performant transaction stream

Low latency transaction broadcasting

Basic transaction filtering

Transaction tracing

SDKs for using the API in variety of languages

Limitations

As of now

Small team: 1 developer, 1 business partner

Performance can vary, product not 100% stable yet

Block propagation not implemented yet

(Only) basic transaction filtering

Benefits

Fast

Fiber is faster than the competition (see next slides)

Cheap

Fiber is cheaper than the competition

No infrastructure necessary

Connect to any of the 16 APIs from wherever you want, no full nodes necessary

Dedicated team

Team that works on this full-time, with a lot of ideas for improvement

Room for growth

We see Fiber as still being in the early stages. We're currently working on a new implementation that will be faster, more reliable, and much more scalable

Fiber vs. Bloxroute Enterprise

Benchmark Setup US East

- Benchmarker location: Vint Hill, Virginia
- Latency to sources: both ~1.5ms
- Total benchmark time: 60 minutes

Results

Median difference: 2.00ms
P10 difference: -34.00ms
P25 difference: -7.00ms
P75 difference: 10.00ms
P90 difference: 31.50ms

Fiber wins 55% of the time

Benchmark Setup EU West

- Benchmarker location: Amsterdam, Netherlands
- Latency to sources: both ~10ms
- Total benchmark time: 60 minutes

Results

Median difference: 9.00ms
P10 difference: -9.00ms
P25 difference: 0.00ms
P75 difference: 14.00ms
P90 difference: 20.00ms

Fiber wins 72% of the time