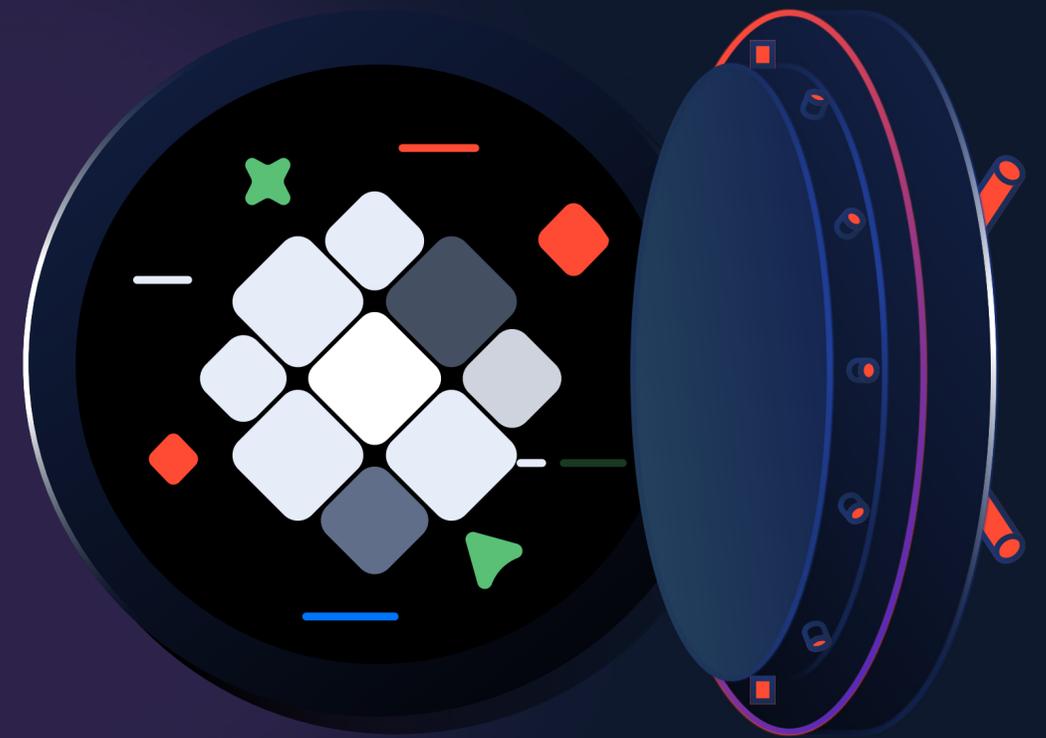


Decrease the cost of blockchain infrastructure by 70%

And lower the response time x62.5 times
with the help of **Dysnix** & **RPC FAST**



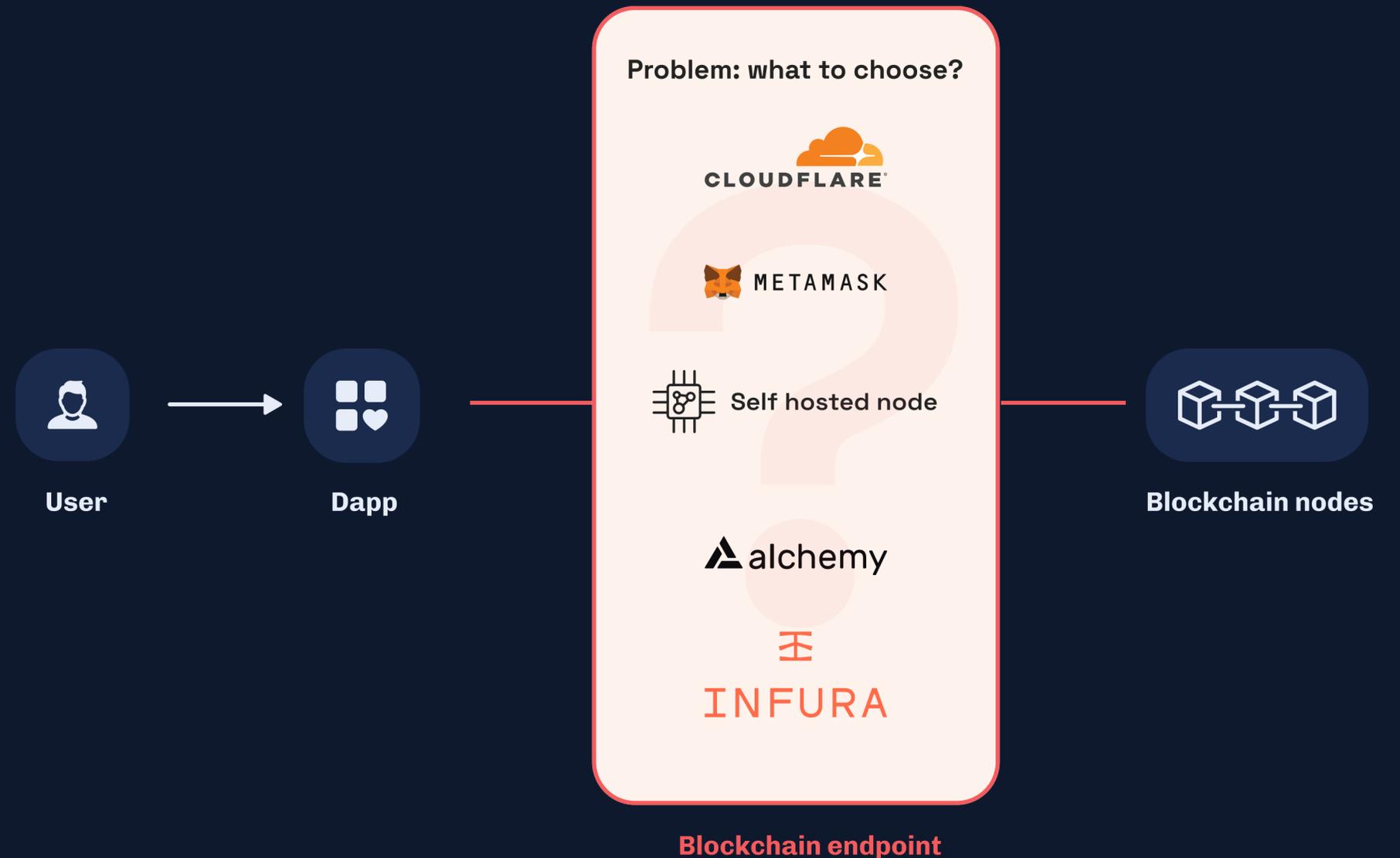
Client

A year ago, we got a request to build a blockchain infrastructure that could serve about **2 billion requests per day** from one of the top NFT marketplaces in the BNB Chain



Existing infrastructure drawbacks

- Over **\$200K monthly estimated costs** for maintaining the blockchain infrastructure
- Regular **downtimes** of public endpoints
- Uncontrollable **latency spikes** caused **~3270 ms delays** for marketplace users
- Users got **errors** trying to send transactions using public BSC endpoints



Reasons to choose us

- We have eight years of DevOps and Blockchain experience
- Our time-tested solutions for increasing the stability and security of blockchain infrastructure work for each client
- With the d5 team, we developed solutions for the Google Cloud Platform that provides open access to blockchain data
- We handle projects with more than 1.5 million daily requests
- Our team offers top-notch services complemented by 99.9% of SLA

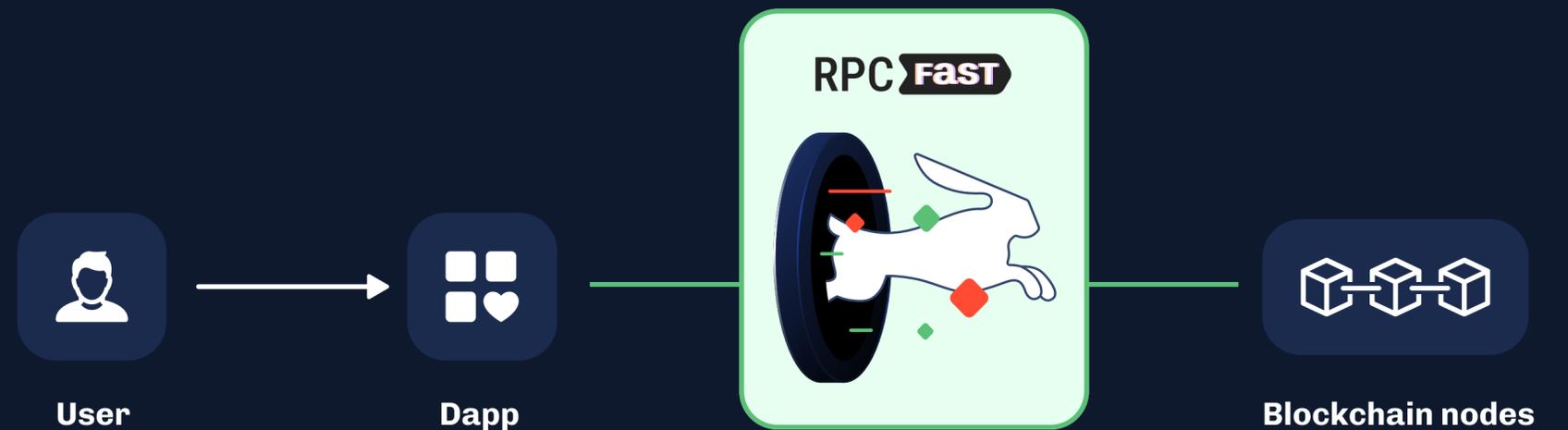


RPC Fast as a solution

Self-hosted cluster of geo-distributed blockchain nodes

You can get the following:

- Access to Ethereum, BNB chain, Polygon, Velas, or any other chain
- 100% healthy nodes
- Average response time of 85.6 msec
- Enterprise-grade security
- AI-based predictive autoscaling by PredictKube



RPC Fast works on **geo-distributed nodes**

Lower response time due to our own solutions based on Google Cloud Platform, such as Global Load Balancer



RPC Fast provides **security**



Only you can access your self-hosted environment and fully control the infrastructure. We use open-source-based technologies; thus, no “black box” tools are included.

We protect nodes from attacks on DNS and domain registrar servers using the JSON Web Token (JWT) and the ETH domain name.

We update nodes automatically and unnoticeably by monitoring chain statuses and refreshing them without downtime.

RPC Fast autoscales using **PredictKube**

We minimized downtime and high-latency risks using our solution, the predictive autoscaler powered by AI/ML



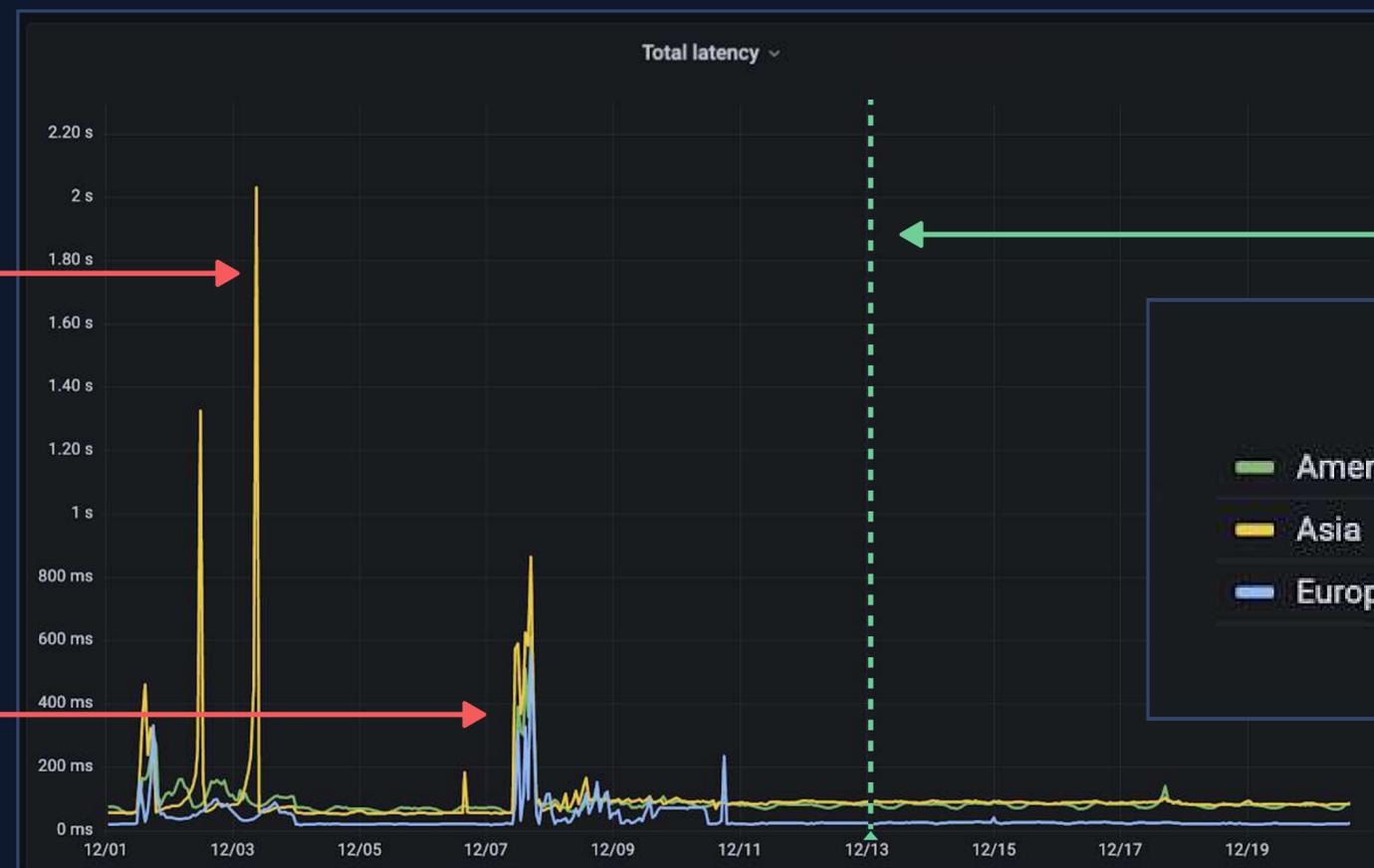
RPC Fast lowers latency using **JsonRPC Caching Proxy**

We reduced the response time by 90% and decreased requests costs by 40%

Latency spikes

Before RPC Fast and after

RPC **Fast**



	Min	Max	Last	Mean
America	52.8 ms	610 ms	86.8 ms	87.6 ms
Asia	50.8 ms	2.03 s	84.0 ms	99.8 ms
Europe	16.9 ms	556 ms	21.9 ms	36.7 ms

The results



Reduced costs on
the infrastructure by
70%

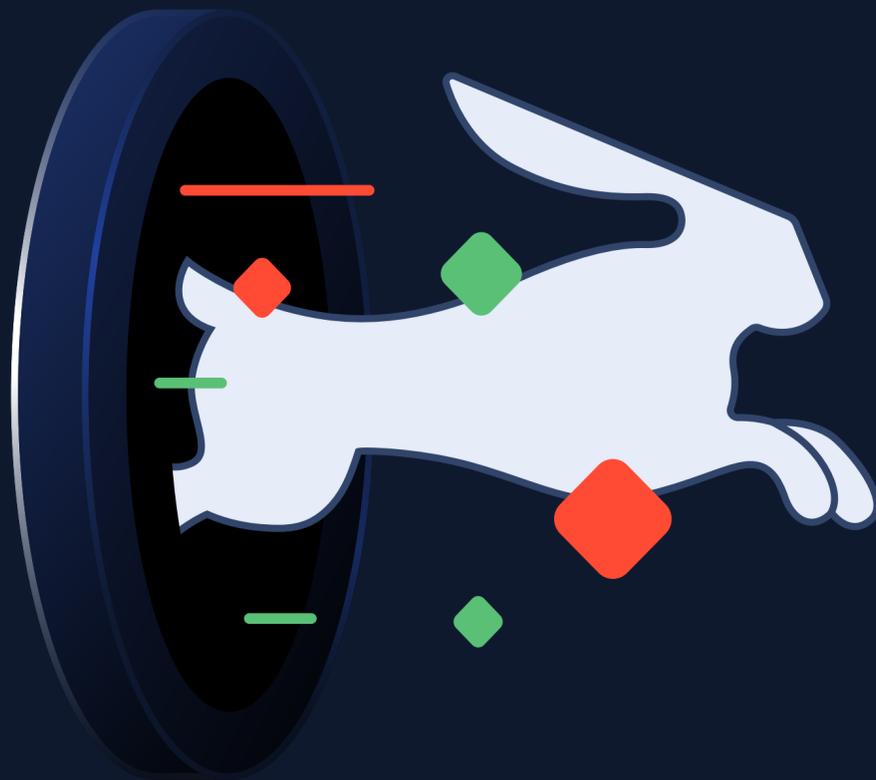
Reduced the peak
response time
by **62.5 times**

Stabilized
infrastructure with
158,112,000,000
requests per month

Achieved
~99.9% uptime

Decreased latency
to **~80 msec**

Benefits of RPC Fast to adopt in your case



- Get the fastest geo-distributed infrastructure with 90+ zones available and 100% healthy nodes
- Enjoy 99.99% uptime and around 85.6 msec latency from literally anywhere
- Get PredictKube, an AI model trained to predict the traffic trend and autoscale infrastructure capacities based on your historical data and business metrics
- Secure your project with a self-hosted solution for your blockchain infrastructure

Other case studies from Dysnix engineers:

A high-scalable infrastructure for the Blockchain-ETL (available on Google BigQuery)

[Read more](#)

A Kubernetes-based infrastructure created from scratch for a next-gen blockchain project Remme

[Read more](#)

A blockchain node infrastructure for blockchain analytic project, Nansen.ai

[Read more](#)



[Read more cases and reviews here](#)

Dysnix

Get an honest technical review of your infrastructure

And find out how our solution providing the fastest, most secure, and stable Blockchain nodes will benefit your project

[Schedule a call](#)



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