

CASE STUDY

How Evmos and Blockdaemon Bootstrapped a New Network and Deployed RPC at Scale

In 2021, Evmos was established with the ambitious vision of integrating an Ethereum Virtual Machine (EVM) stack into the Cosmos ecosystem.

In 2022, Evmos faced the challenge of handling an unexpectedly high level of adoption.



Evmos attracted thousands of new developers.



The network required an adept and sizable team of engineers to deploy and maintain clustered RPC nodes efficiently.



They needed to handle hundreds of millions of daily RPC calls while ensuring high availability, uptime, and low latency for community members and developers.

Evmos needed a partner that could provide reliability, security, and scalability.

Blockdaemon, with its extensive experience and capabilities in blockchain infrastructure, emerged as the ideal partner for Evmos.

Solution

Blockdaemon is the leading institutional-grade blockchain provider and is uniquely positioned to help in networks in this situation.

Our seasoned team devised a robust RPC/API solution to enable Evmos to thrive:

- We established clusters of nodes across multiple cloud and data center providers to accommodate the immense volume of calls.
- We introduced smart routing capabilities, auto-scaling, and load-balancing features.
- We implemented a scalable architecture tailored to Evmos' innovative network.
- Blockdaemon offered 24/7 customer support to ensure quick response time for incidents and updates.

The engineering teams from Evmos and Blockdaemon engaged in a close-knit collaboration spanning over a year, culminating in a highly-refined and progressive development process that brought forth exceptional results.

Impact

Partnering with Blockdaemon had a transformative impact on the Evmos network:

- Over 25 RPC nodes were deployed, with an average uptime exceeding 95%.
- Evmos capacity increased to support more than 350 million calls per day, with low latency and high availability.
- Blockdaemon developed unique monitoring tools, dashboards, and archival snapshots to help Evmos achieve ongoing success.

By partnering with Blockdaemon, Evmos bootstrapped their network, deployed RPC at scale and established itself as a prominent player in the blockchain space.