

Treasury Proposal: Pinknode Public Endpoint for Kusama in Q4 2022

Proponent: Pinknode

Date: 25/01/2023

Requested allocation: \$16,275.54

DOT Account: EoVDFhdQioE9Z4VDvA78q9X7bTPCGDYxafipwqEvzp8JGC

Short Description: Operate RPC service for the community in Q4 2022.

Summary

Pinknode is a node-as-a-service platform focused on providing shared API endpoint and node operation services to the users in the Polkadot ecosystem. We just launched our MVP in June 2021 and has been providing free RPC services to Polkadot and its ecosystem's participants since Q3 2021.

Our mission is to aid the Polkadot protocol in achieving its vision of a multi-chain future through providing easy-to-use, reliable and scalable infrastructure services which removes an entire layer of complexities for developers to start building on Polkadot/Substrate.

Ecosystem participants can access our free API service via creating your own API Key on [Pinknode Portal](#) or use our public endpoints (listed on <https://polkadot.js.org/apps>)

- <https://public-rpc.pinknode.io/kusama>
- <wss://public-rpc.pinknode.io/kusama>
- <https://public-rpc.pinknode.io/statemine>
- <wss://public-rpc.pinknode.io/statemine>

On October 2021, we submitted a [proposal](#) and successfully received a grant from Polkadot treasury to enhance our front-end for better user experience, management and monitoring capabilities. We successfully delivered for all milestones within stipulated timeline.

In November 2022, our [proposal](#) was granted for supporting the public infrastructure on both Polkadot and Kusama. We have achieved an average uptime of 99.94% for periods from Jan to September 2022.

Service Details

From 1 October 2022 to 31 December 2022,

- Pinknode's Kusama RPC nodes have served an average of **4,129,170** requests per day, for a cumulative total of **384,012,781** requests for the quarter.

- Pinknode's Statemine RPC nodes have served an average of **189,117** requests per day, for a cumulative total of **17,587,887** requests for the quarter.

Link to [Pinknode's raw data](#).

Pinknode achieved service reliability of **99.88%** for Q4 2022.

Link to Pinknode's status page: <https://pinknode.statuspage.io/>

Enhancements (included in DevOps administration, <30% of total costs)

- Added "Team API calls used" on main dashboard for effective summary
- Moved request log storage to AWS S3 for faster UX
- Added toggle switch for live request viewer, to be initiated by users as opposed to default
- Upgrades to our proxy for more accurate logging

Q4 Costing

Service	Cost Per Unit	Usage	Cost
Compute Unit	\$0.28 /Hour	39,312	\$11,007.36
SSD Storage	\$0.125 /GB	10,500	\$1,312.50
Backup Storage	\$0.125 /GB	4,000	\$500
Data Egress	\$0.12 /GB	13,817.32	\$1,658.08
Regional Kubernetes Cluster	\$3.20 /Day	93	\$297.60
DevOps administration (optimization, bug fixes, runtime upgrades etc.)	\$500	3 months	\$1500.00
		Grand Total	\$16,275.54

Payment Conditions

Total Amount in USD: \$16,275.54

Beneficiary Wallet Address: **EoVDFhdQioE9Z4VDvA78q9X7bTPCGDYyxfipwqEvzp8JGC**

Beneficiary Contact: **ericpoh@pinknode.io**