Decentralized Computing by NuNet for Cardano Stake Pool Operators

Executive Summary

NuNet enables a global economy of decentralized computing by allowing anyone to share and monetize their computing resources at scale and provides **globally-distributed, optimized computing power for decentralized networks**. NuNet is a spinoff project incubated by **SingularityNET**, founded and envisioned by Dr. Ben Goertzel, Dr. Kabir Veitas and Dr. Weaver Weinbaum.

The goal and vision of cooperation lies in the SingularityNET AI ecosystem which will leverage Cardano (main and hydra layers) while **computation** will be done on hardware provided by NuNet -- creating a powerful interdependence.

Cardano Stake Pool Operators (SPOs) currently run on cloud based computing solutions or bare metal. There is an increasing risk of over-reliance on big tech cloud solutions which could deny service if so desired. On the other side, bare metal means expensive hardware up-front cost and maintenance which creates entry barriers for small/single stake pool operators. Currently a large percentage of the Cardano Network is cloud based with overreliance on big tech.

Overreliance brings great risk to the growth and reliability of the Cardano network. We are offering a 3rd way - infrastructure for running Cardano staking pools on NuNet provisioned community hardware. NuNet can provide an alternative to the cloud based and dedicated host solutions by running arbitrary computing workflows on community provisioned hardware and providing payment gateways directly from software or application.

In order to run node processes for stake pools, payment is required for decentralized hardware via the native NTX token on the Cardano network. NuNet will allow Cardano nodes to directly pay for the hardware on which they will be running.

For more information, follow a link to the Cardano Catalyst Fund7 Proposal.