We would like to introduce the Aestus MEV-Boost relay, which is currently undergoing testing for a mainnet launch. This project developed out of conversations between members of the reddit EthFinance and EthStaker communities who see the need to develop credibly neutral architecture for the Ethereum staking ecosystem. The primary contributors to this project are myself and KuDeTa, both active members of the previously mentioned communities.

The Aestus relay is MEV infrastructure which we offer to the community as a public good, free from any commercial interest and aligned to principles of credible neutrality:

- Censorship resistant: Any relays or other architecture will never censor or filter transactions,
- Non-judgmental: Will never exclude or promote specific types of MEV searcher strategy,
- Non-profit: Will never profit indirectly or directly from MEV,
- Unbiased: Will never compete with or make exclusive relationships with builders and searchers,
- Open source: Our architecture and all modifications to existing projects will be published for all to see.

The Aestus relay is running a fork of the Flashbots MEV-Boost Relay stack. This includes Flashbots' mev-boost-relay, block-validation-geth, and prio-load-balancer. The relay is deployed on a Kubernetes cluster, with our own open-sourced configuration providing scalability and redundancy. We are currently running naive builders on Goerli and mainnet for testing purposes only. As things stand, we're hosting this in a single region (East Coast USA) -but will explore multi-region options as we attract builders.

Our Goerli relay has been operating for a month and produced a number of block proposals. Ourmainnet relay is also live, and we are looking to subject it to more rigorous testing before we announce it for general use. In particular, we need experienced validators and builders who understand the risks to connect to both networks' relays.

Additionally, if anyone has experience in testing relay architecture (e.g. simulating high traffic or testing block simulation) or in devops (particularly kubernetes config) and is able to make a consistent donation of time and effort, please do get in touch.

Note: Our main homepage is currently blocked by MetaMask's highly-aggressive fuzzy-matching filters (it's vaguely similar to a website domain name that was previously associated with scams - that's all). When you see the anti-phishing page, don't freak out. We're waiting on our allowlist request, but subdomains such as and all builder/proposer API calls are still accessible.