Vipnode is an economic incentive for running Ethereum full nodes.

The goal is to allow the Ethereum network to remain decentralized by creating a financial marketplace for more people to run full nodes and serve native light clients.

Reserve your vipnode:

- What is your enode id?
- What would you like to pay for 30 days?

Progress

- V1 MVP
- V2 MVP
- V1 MVP
- V2 MVP

6/21/18

Vipnode was accepted for an Ethereum Foundation grant. Work on v2 is starting soon, which will support vipnode pools that [join](https://github.com/vipnode) and start earning proportional fees for serving premium clients!

Subscribe for updates

I promise no spam, just updates on progress.

Sponsors

Reserve a spot for your Go-Ethereum Light Client, powered by a smart contract.
### Status Dashboard

<table>
<thead>
<tr>
<th>Number of vipnode hosts active/registered</th>
<th>Number of vipnode clients active/registered</th>
<th>Total client balance available:</th>
<th>Total host balance earned:</th>
</tr>
</thead>
<tbody>
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### Sponsors

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<tr>
<th>Sponsor 1</th>
<th>Sponsor 2</th>
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- **Reserve your vipnode**
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email@example.com

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Made with ❤️ in Toronto
Frequently Asked Questions

Why?

There are too many light clients on the Ethereum network and not enough full nodes to service them all. On a bad day, it can take several hours to finally connect to the network with a light client.

gipnode creates an incentive for more people to run full nodes and improve the state of the Ethereum network as a whole.

Does it work with Parity light clients? What about older Geth clients?

Only geth v1.8.x and newer, for now.

Any guarantees? What’s the SLA? (Service Level Agreement)

During the beta, there are no guarantees. There can be some downtime if resources get tight and the VPS need to be upgraded. I’m not expecting more than a few hours of downtime per month (but hopefully zero).

Next, how does it work?

gipnode is running a modified go-ethereum node with a script that monitors the smart contract for new paying nodes. When you pay, it adds your NodeID to the trusted nodes set. When you connect with this NodeID, you get to bypass the normal server limits and get to the front of the line.

Modifications are going to be submitted upstream once they’re sufficiently tested.

How does gipnode relate to Infura?

Infura provides centralized gateways to various services. It’s great! It allows apps to connect to it without running any Ethereum infrastructure.

On the other hand, gipnode creates an incentive for more people to run valuable Ethereum infrastructure and serve more native clients in the peer-to-peer network.

Can I run my own gipnode? What does it cost?

That’s the goal! Everything is open source, but it’s not packaged nicely yet.

Right now I’m running it on Scaleway for about $30/mo, which should hopefully handle many dozens of peers.

I’m collecting data on the resource requirements from this experiment which will help inform the pricing in the future.

Can I connect to a gipnode for free?

Yes! Each gipnode also allocates at least 25 slots to regular peers and several public light client peers. These numbers can change in the future, but the goal is to be a good citizen of the network and give back to everyone.

Add this gipnode as a “static peer” and grab one of the regular peer slots.

My geth is stuck at “IPC endpoint opened”, or I keep seeing “no suitable peers available”

If you didn’t pay for gipnode (or your 30 days expired), then that means there aren’t enough free connection slots available. You can keep waiting (it can take a few hours), or pay for gipnode access.

If you pay for gipnode, make sure:

1. You’re connecting from the same enode ID as you specified in your payment
2. You added the gipnode enode to your geth/static-nodes.json

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