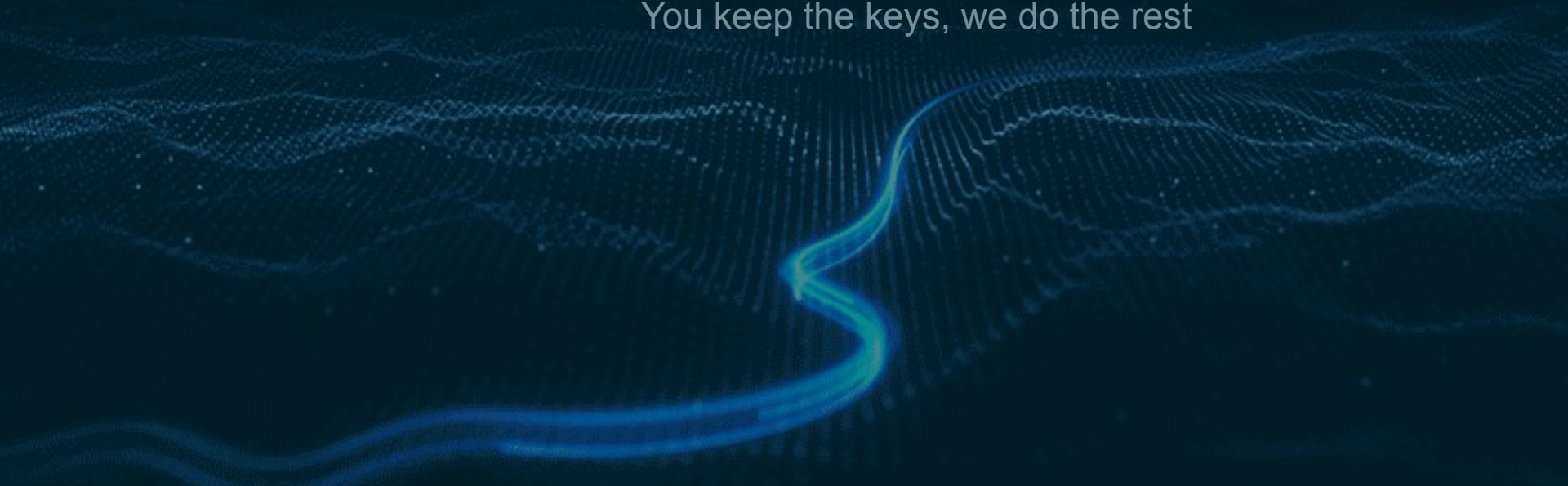# Greenlight Workshop

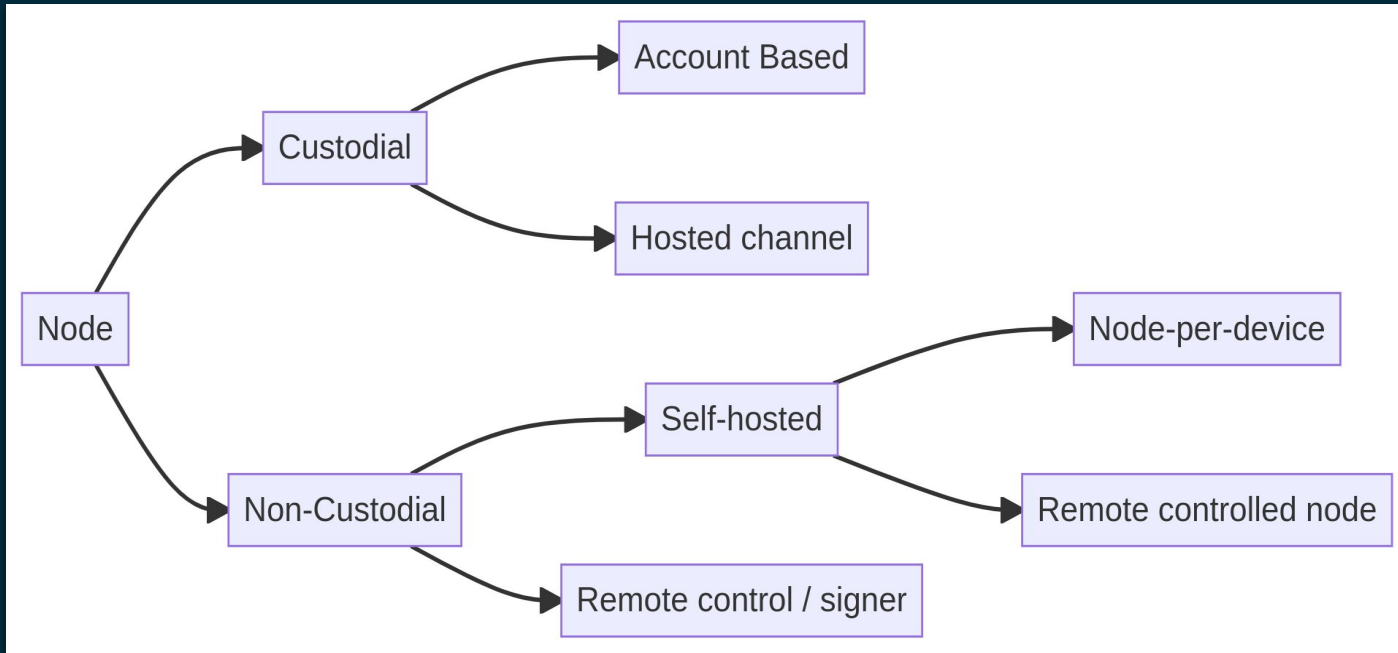You keep the keys, we do the rest

"

Running a node is hard. Not only do you have to know about how Bitcoin works, but you also have to be a graph analyst, an economist, and a software engineer, all at the same time.
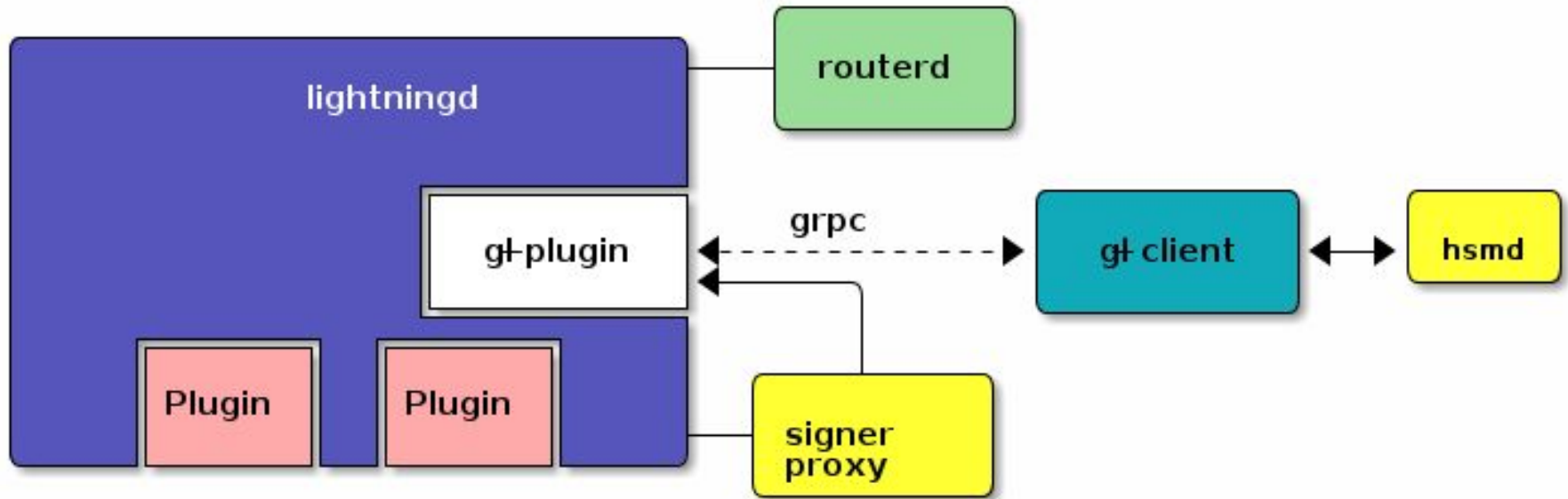
Frustrated LN User

How do we run Lightning?

We host the node, you keep the keys

There are many pieces to the LN puzzle:

- The node itself
- The bitcoind backend
- The database
- Backups
- Watchtower
- Topology management for routing
- …

Many of these can be run efficiently for a fleet of nodes. And resources can be shared for better efficiency.

Splitting a node

Benefits for End-Users

- Simple recovery
- No splitting of funds
- Hosted ⇒ Self-Hosted via Export
- Any number of frontends / signers
- Friends and Family setups

Benefits for Developers

- Simple grpc based API
- Strong authentication
    - mTLS for authentication
    - Runes for fine-grained access control
- Bindings in Python and JS (more to come)
- Same environment both Hosted and Self-Hosted

Demo

Thank You

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