Features

The purpose of the relayer is to create a TPU for receiving transactions and direct that stream to both block builders and validators (with a small delay).

TPU Proxy

- Supports UDP and QUIC for receiving transactions
- Runs filtering and signature verification on packets.
- Sends transactions over grpc to Validator with configurable delay.
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Block Engine Forwarding

- Forwards packets to third party block engines (over grpc) to share with searchers.
- Filters based on accounts or programs provided by the block engine.
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    - Works with TX v2.
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Redundancy & Health Monitoring

- The proxy supports multiple RPC servers for keeping track of cluster time (current slot)
- If the relayer determines it's unhealthy, it force disconnects all validators and prevents future connections until healthy.
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