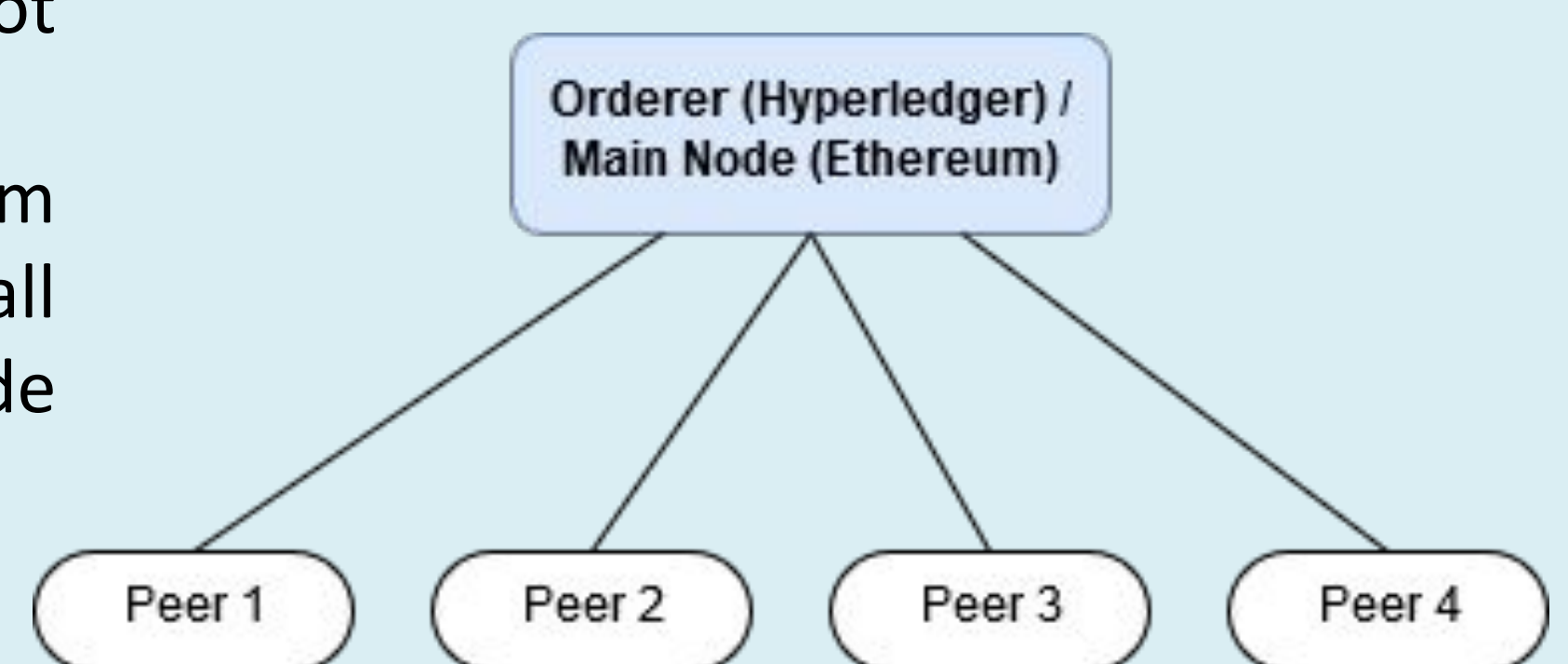**ISEngineering**

Hyperledger and Ethereum Write Latency Benchmark

Node Topology

- Fundamentally, Hyperledger and Ethereum works in a different concept, which make these two networks not comparable.
- For the purpose of benchmark, we built the ethereum network to reflect the hyperledger network. Where all nodes will be connected with only one node; main node (in Ethereum) /orderer (in Hyperledger).

Workload

- A simple workload scenario
- Two participants in the network, one Sender and one Receiver. The sender will send a fixed amount of money to the receiver for 100 times.

Benchmark Results

By observing the results of the Latency Benchmarking Ethereum vs Hyperledger, we can see that Hyperledger has a more stable latency time (Δtmax= 60 ms) in comparison with Ethereum (Δtmax=14809 ms) and apart from the stability, we can realize that Hyperledger is much faster according with our Latency Benchmark results.

https://github.com/paguos/blockmark

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