Scaling Blockchain

Asynchronous Consensus Zones: allows the blockchain system to scale linearly without sacrificing decentralization or security. This will be accomplished by running numerous zones, which are independent and parallel implementations of single-chain consensus systems. As the network grows, the consensus occurs autonomously within each zone with minimal connectivity, dividing the strain of the entire network and ensuring a modest burden for each individual node.

Micropayment channels create a continuous communication between two parties to update balances, deferring what is broadcast to the blockchain in a single transaction that nets out the total balance between them. This allows the financial interactions between two parties to be postponed without the fear of counterparty default at a later date. These channels reflect real Bitcoin transactions, and they use Bitcoin scripting opcodes to allow funds to be transferred without the risk of counterparty theft, which is especially important when implementing long-term miner risk mitigations.