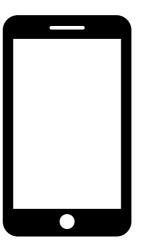


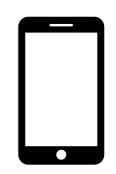
Why Lightweight Clients?

- Mainstream will not store >300 GB of data for a wallet
- Mainstream will not use substantial CPU power to validate transactions of other users
- Transaction security should still be high



Scaling Problems for Lightweight Clients

1. Log of transactions (>120 GB)



2. Mobile phones receive irrelevant transactions





3. Limited data traffic over 3G/4G

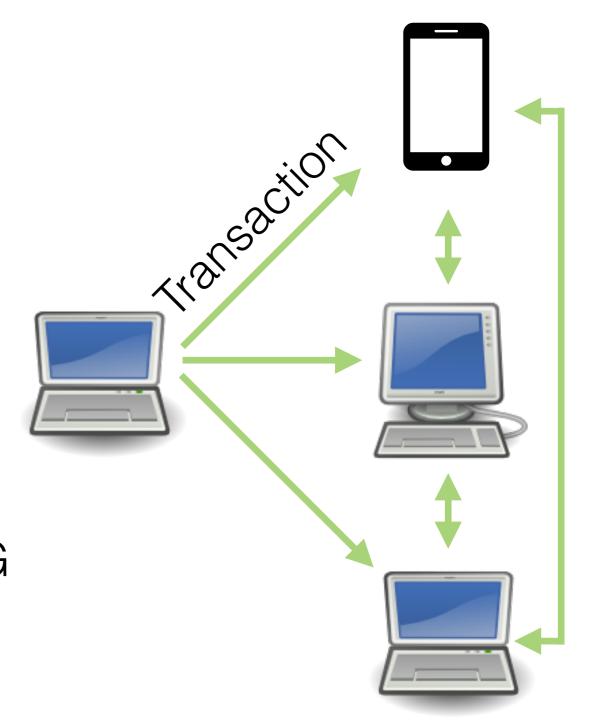


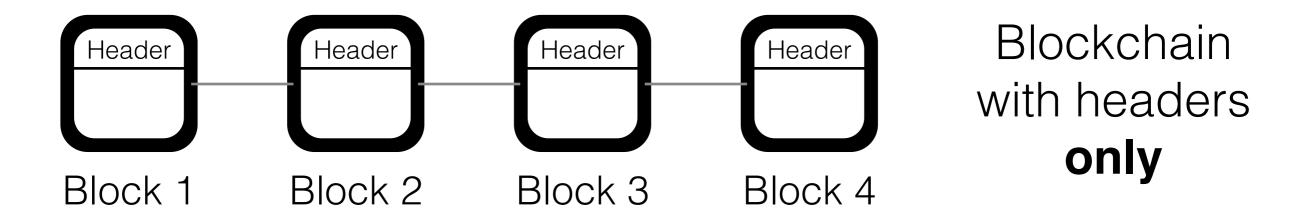
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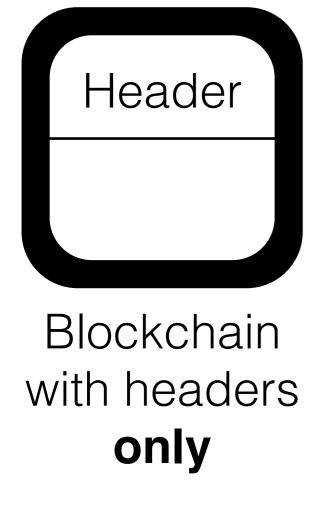
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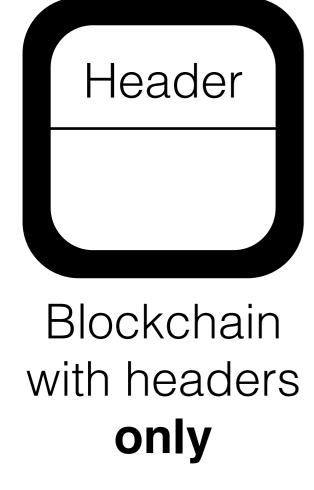
3. Limited data traffic over 3G/4G



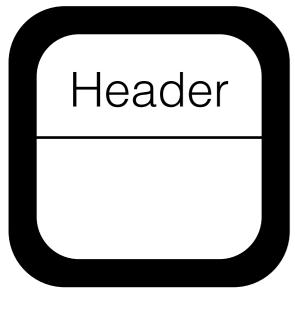


- Much smaller
- Can verify the Proof of Work
- Can find the longest chain with most work!



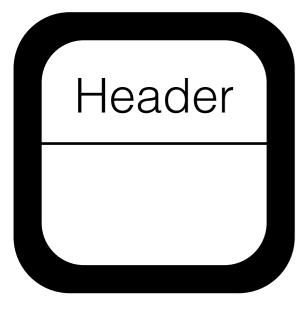


Transaction

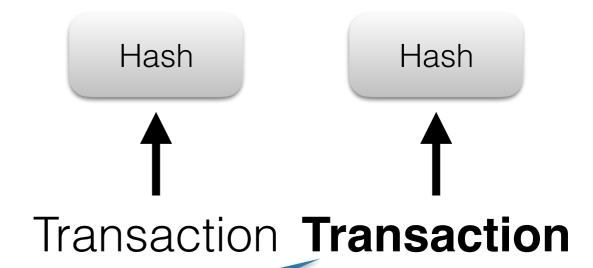


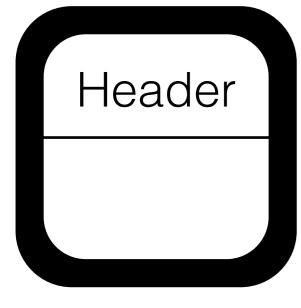
Blockchain with headers only

Transaction



Blockchain with headers only





Blockchain with headers

only

Hash

