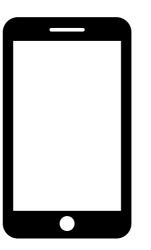


## Why Lightweight Clients?

- 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

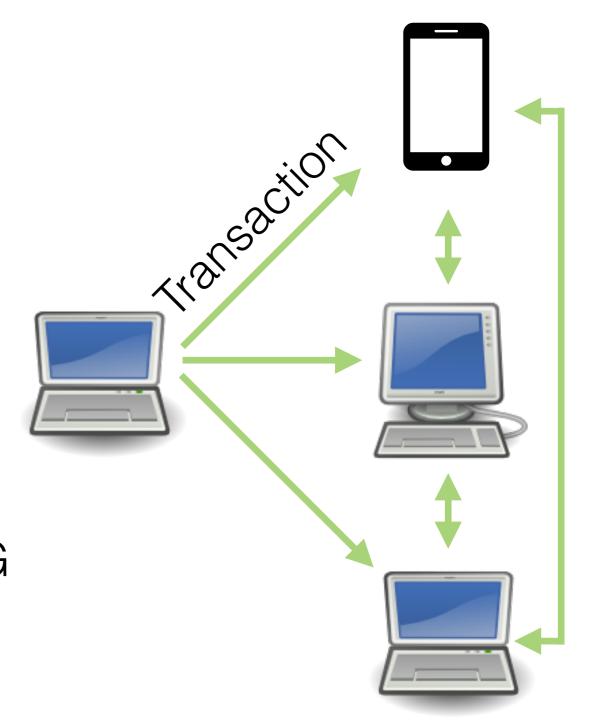


## **Scaling Problems for Lightweight Clients**

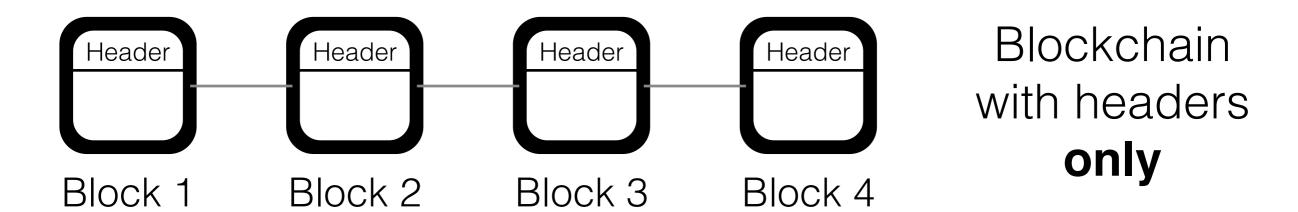
1. Log of transactions (>120 GB)

2. Mobile phones receive irrelevant transactions

3. Limited data traffic over 3G/4G

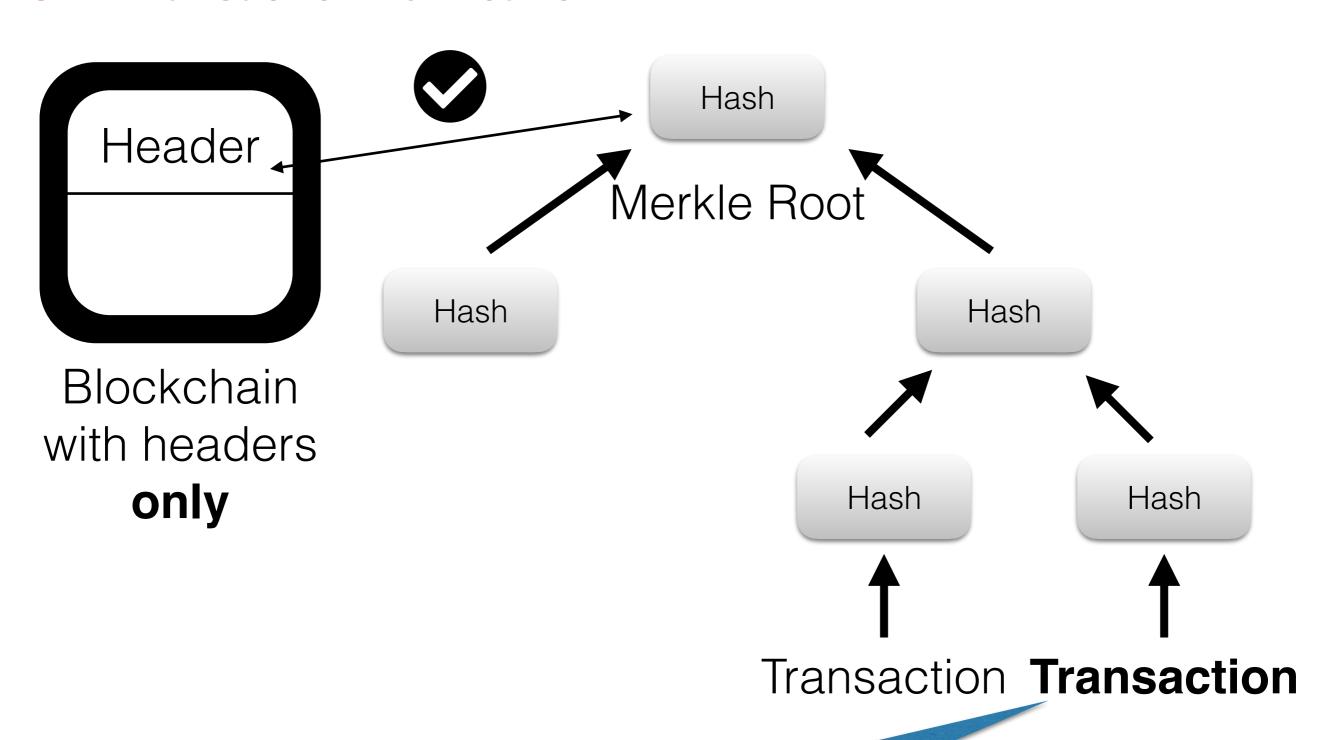


## **SPV Transaction verification**



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

## **SPV Transaction verification**



Is this transaction in the blockchain?