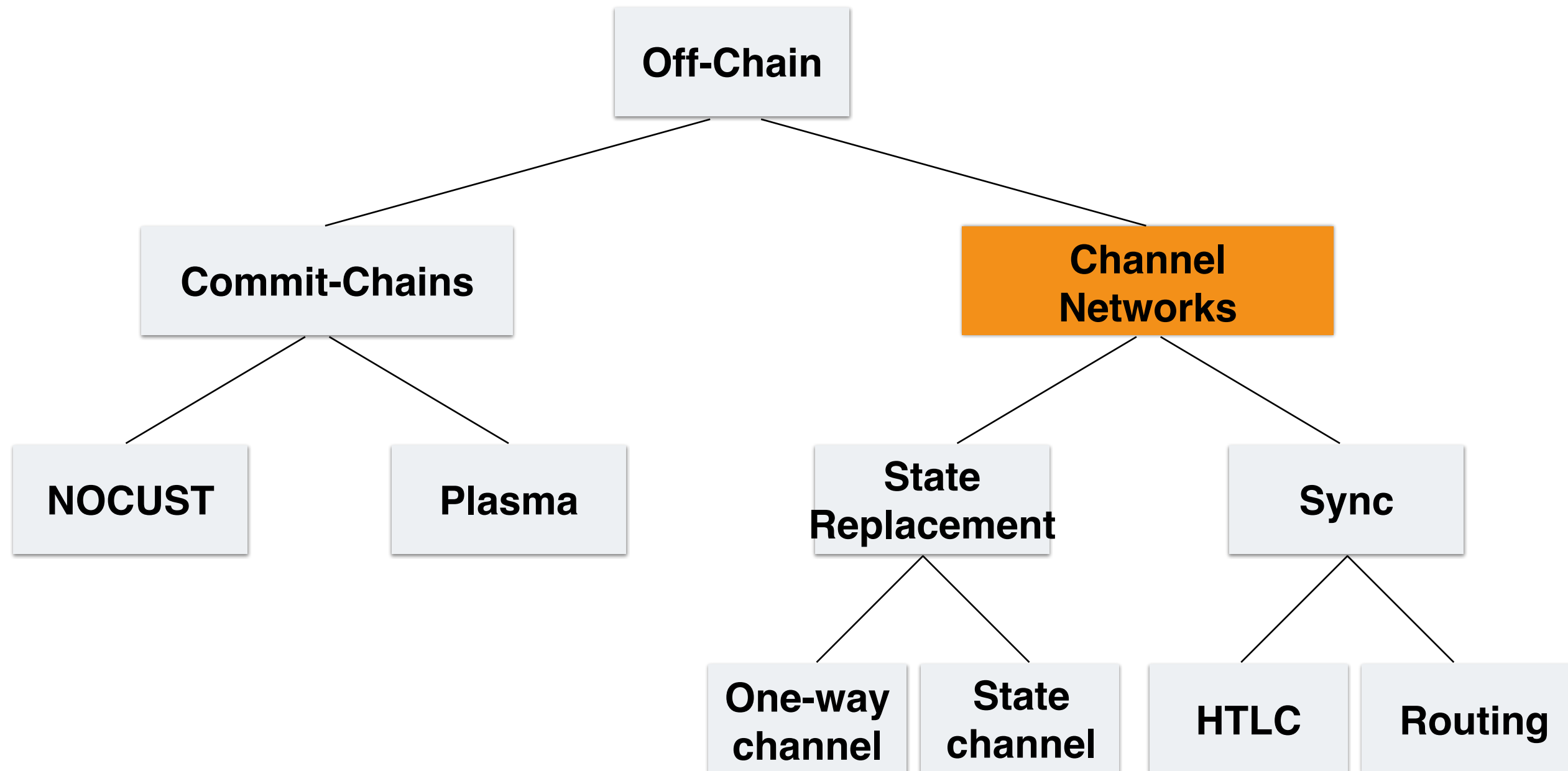




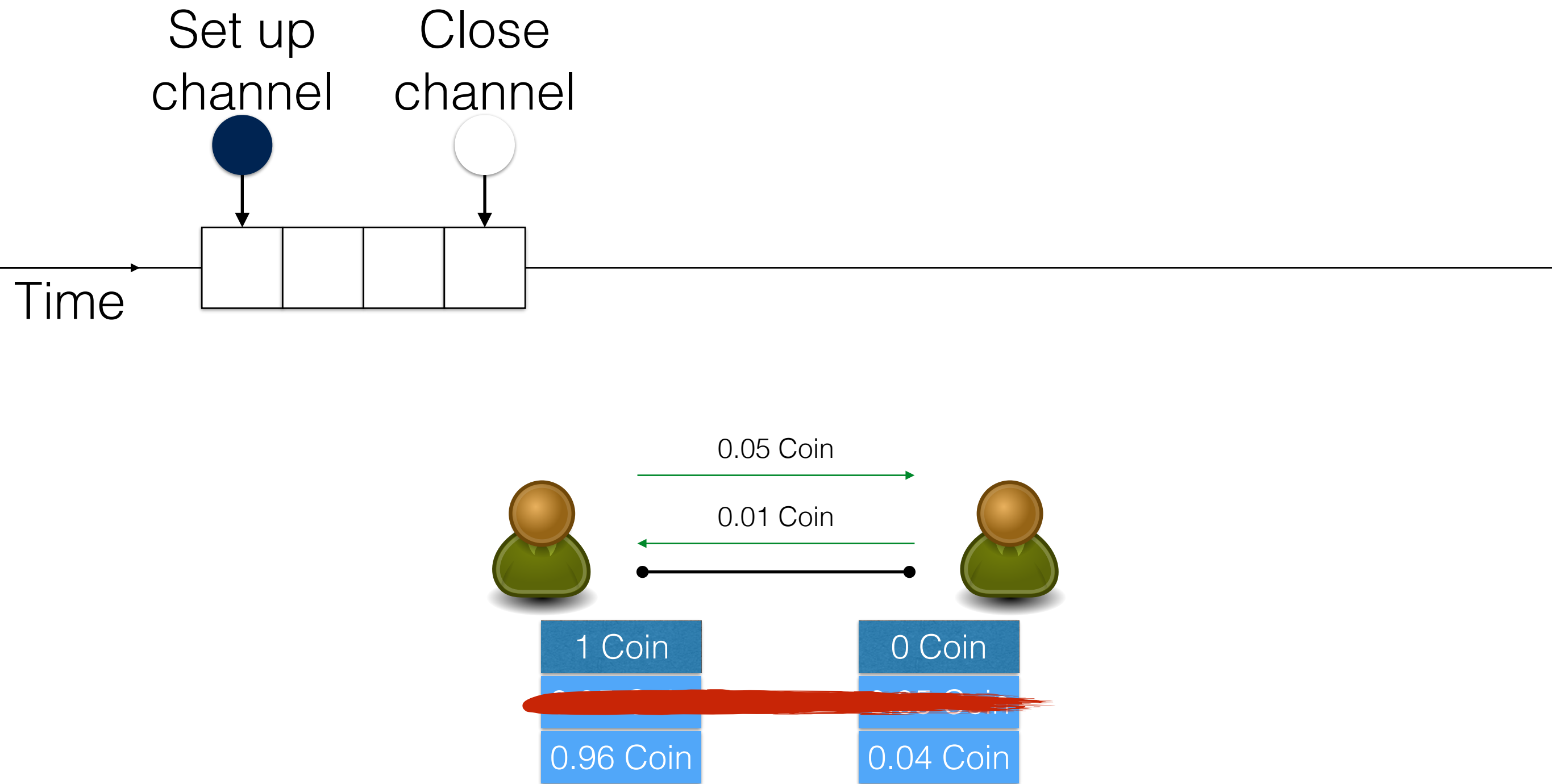
**Channel Networks**



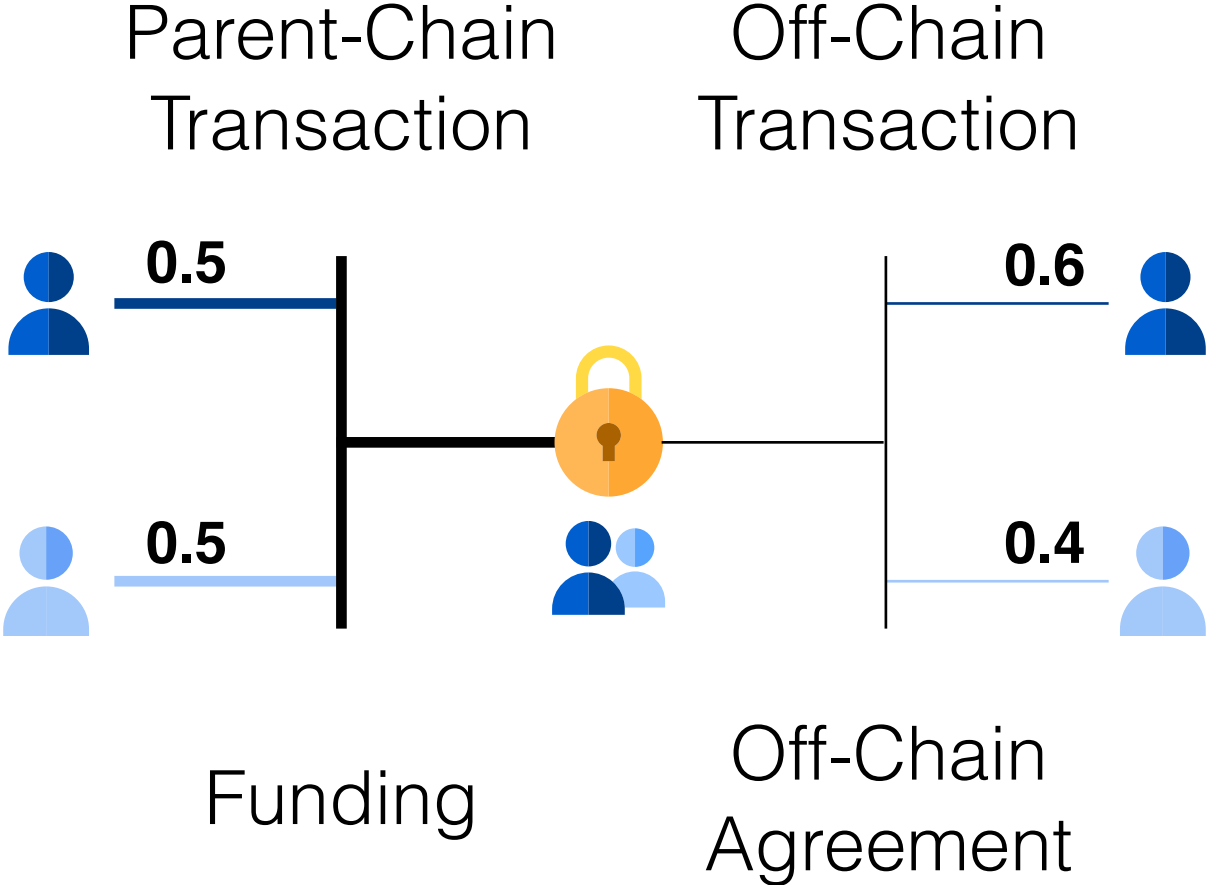
# Which Off-Chain Solution?



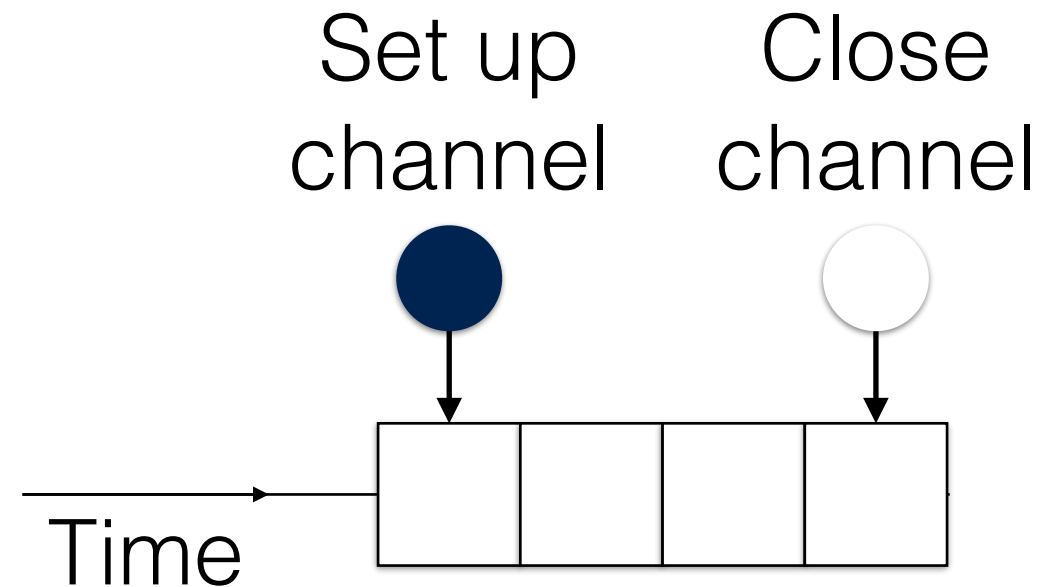
# Payment Channel



# Payment Channel

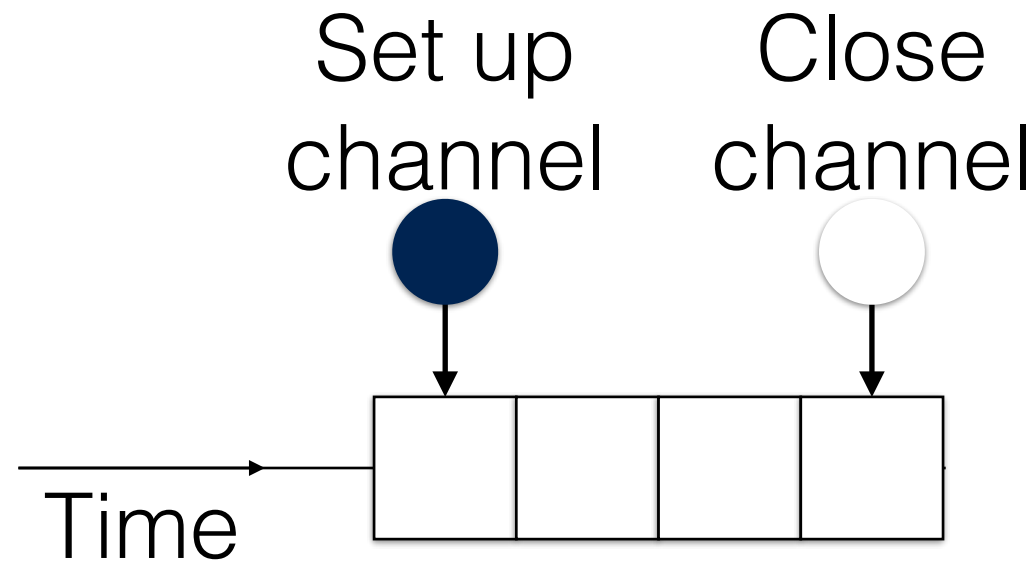


# Payment Channel Properties



- **Balance Security:**  
Any party can always withdraw the agreed balance on-chain with a dispute.
- **State Progression:**  
Any party can enforce a state transition on-chain to reach a terminal state.

# Payment Channel



- Unanimous Establishment
- Unanimous Transition (without dispute)



**What if the parties do not agree?**

# Payment Channel - Dispute

