# BOLT: Booster of Ledger Technology

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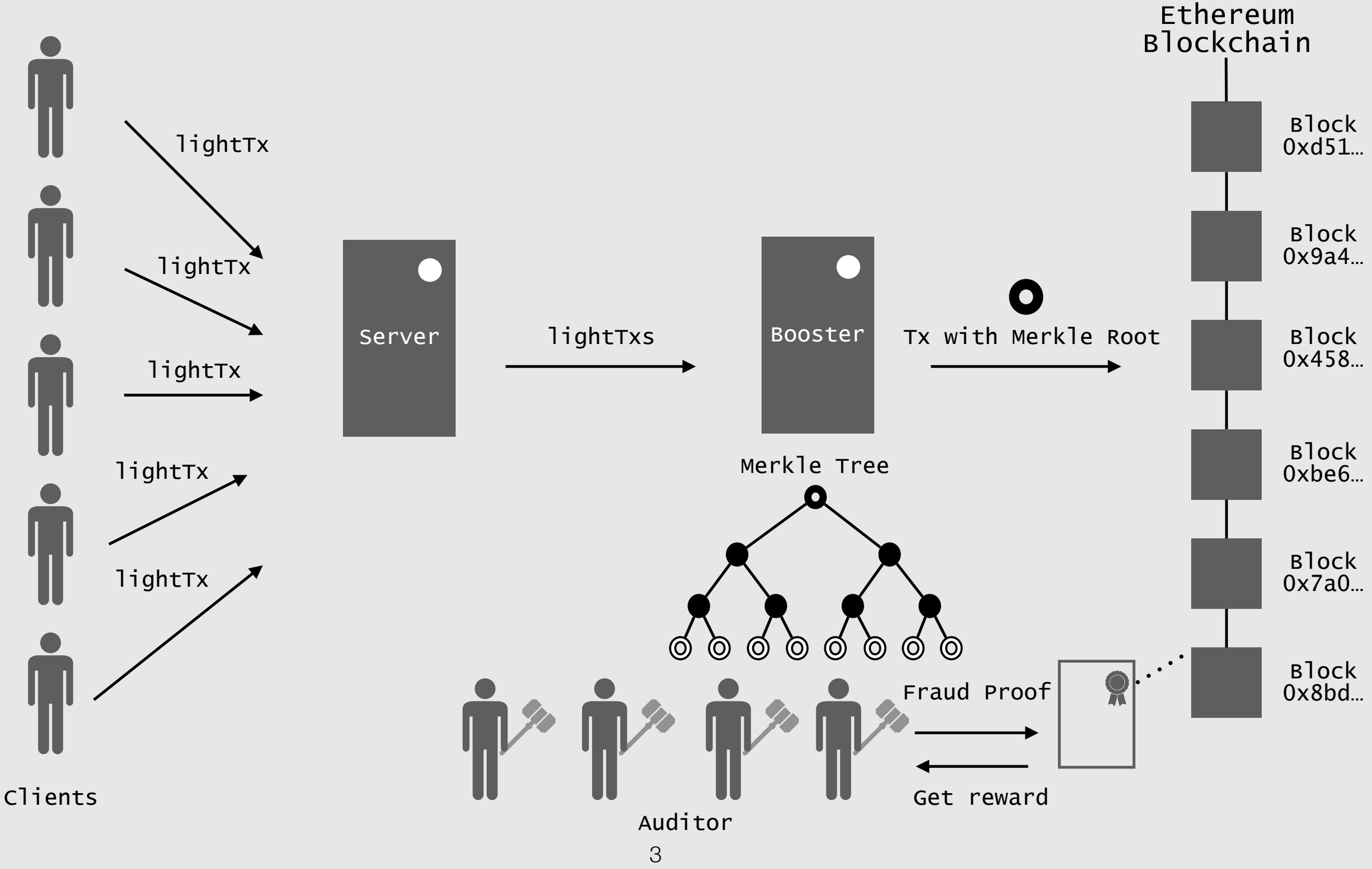
BOLT.infinitechain.io

# Outline

- Overview
- Is BOLT Secure?
- Game, Court and Fraud Proof
- Architecture
- Protocol
- Demo

# Architecture: Concept

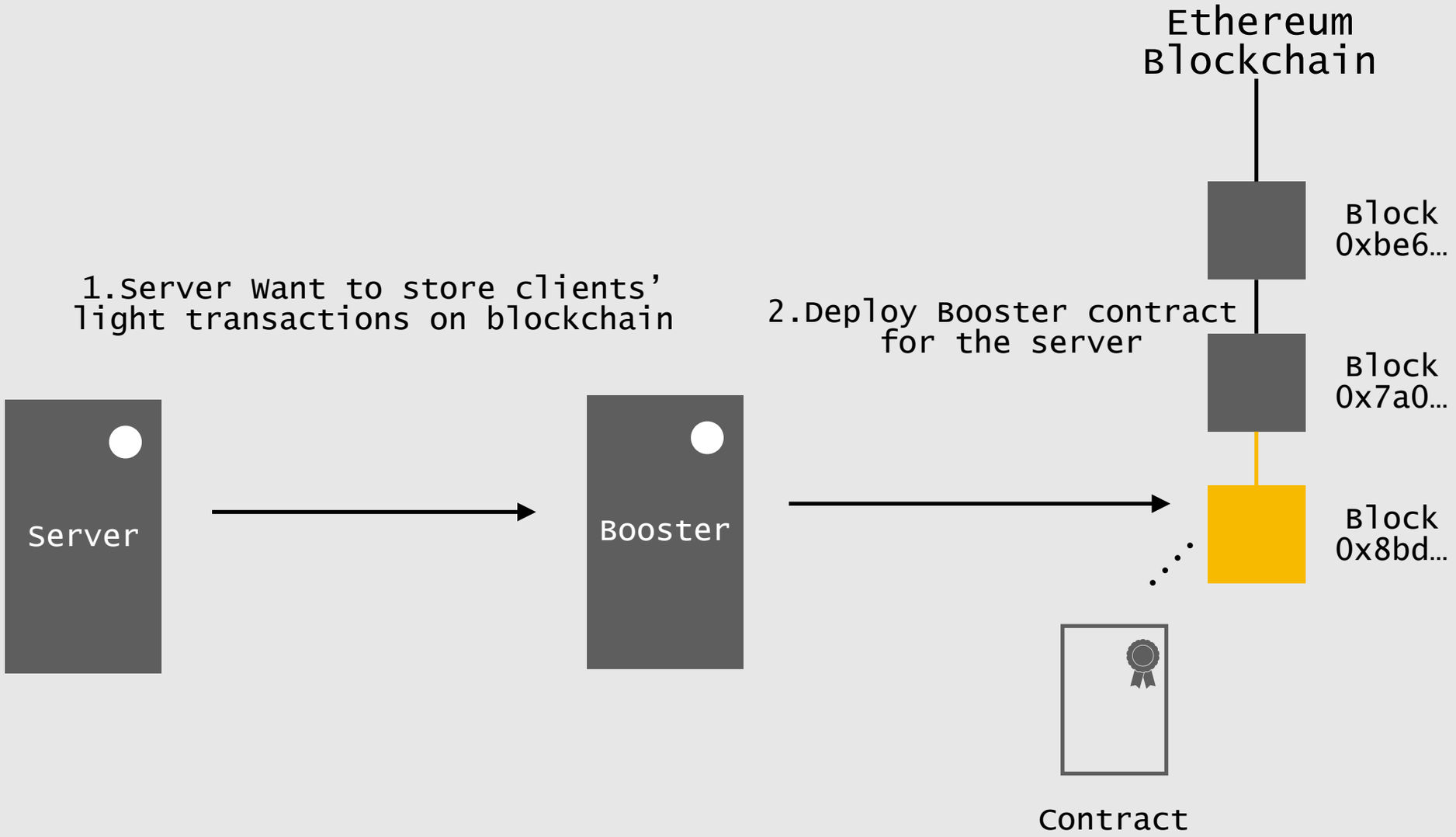


# Architecture: Light Transaction

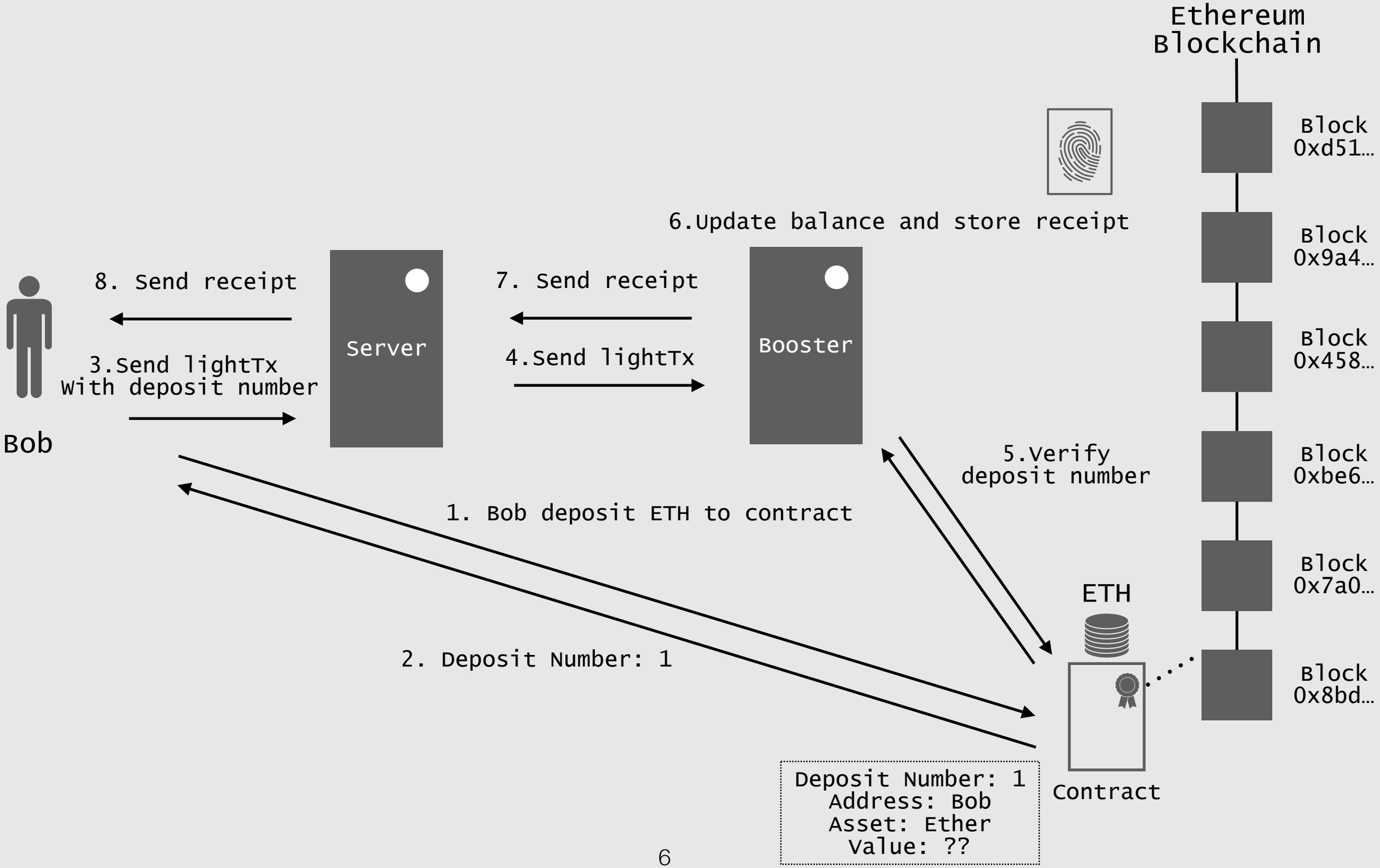
Light Transaction Type:

- Deposit
- Remittance
- Withdrawal

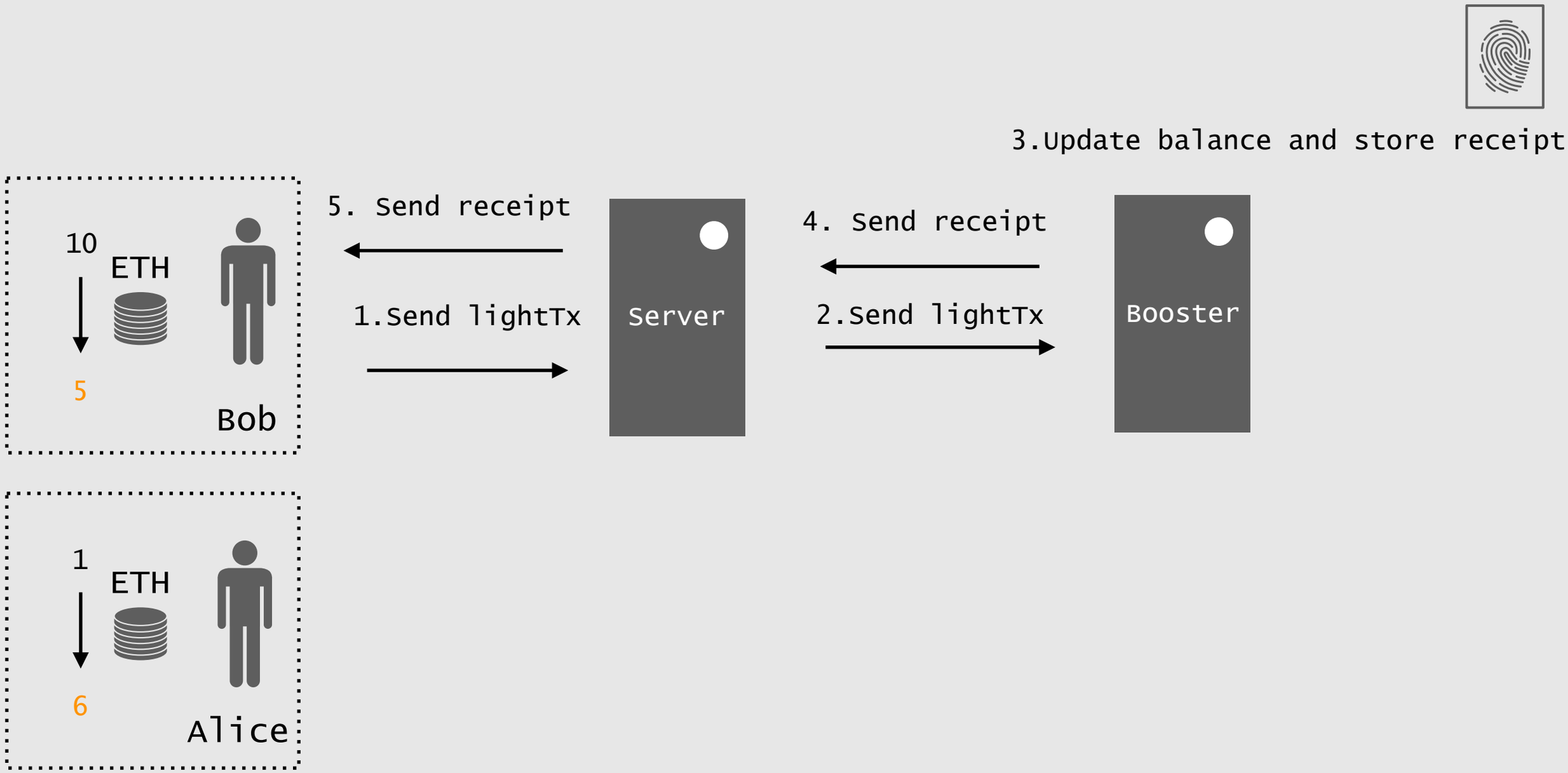
# Protocol: 0


Ethereum
Blockchain
Block
0xbe6…
1.Server Want to store clients’
light transactions on blockchain
2.Deploy Booster contract
for the server
Block
0x7a0…
Server
Booster
Block
0x8bd…
Contract

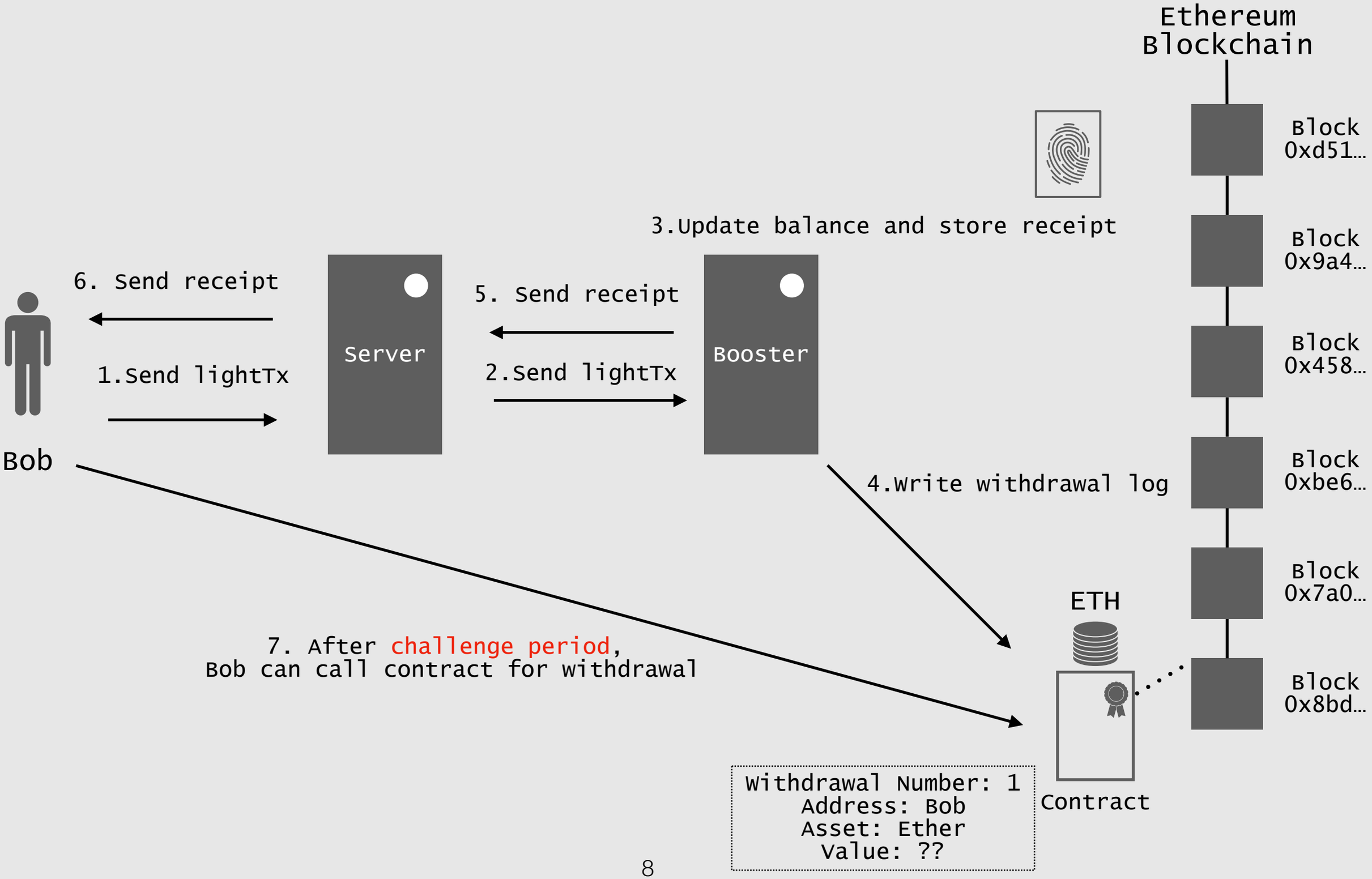
# Protocol: Deposit



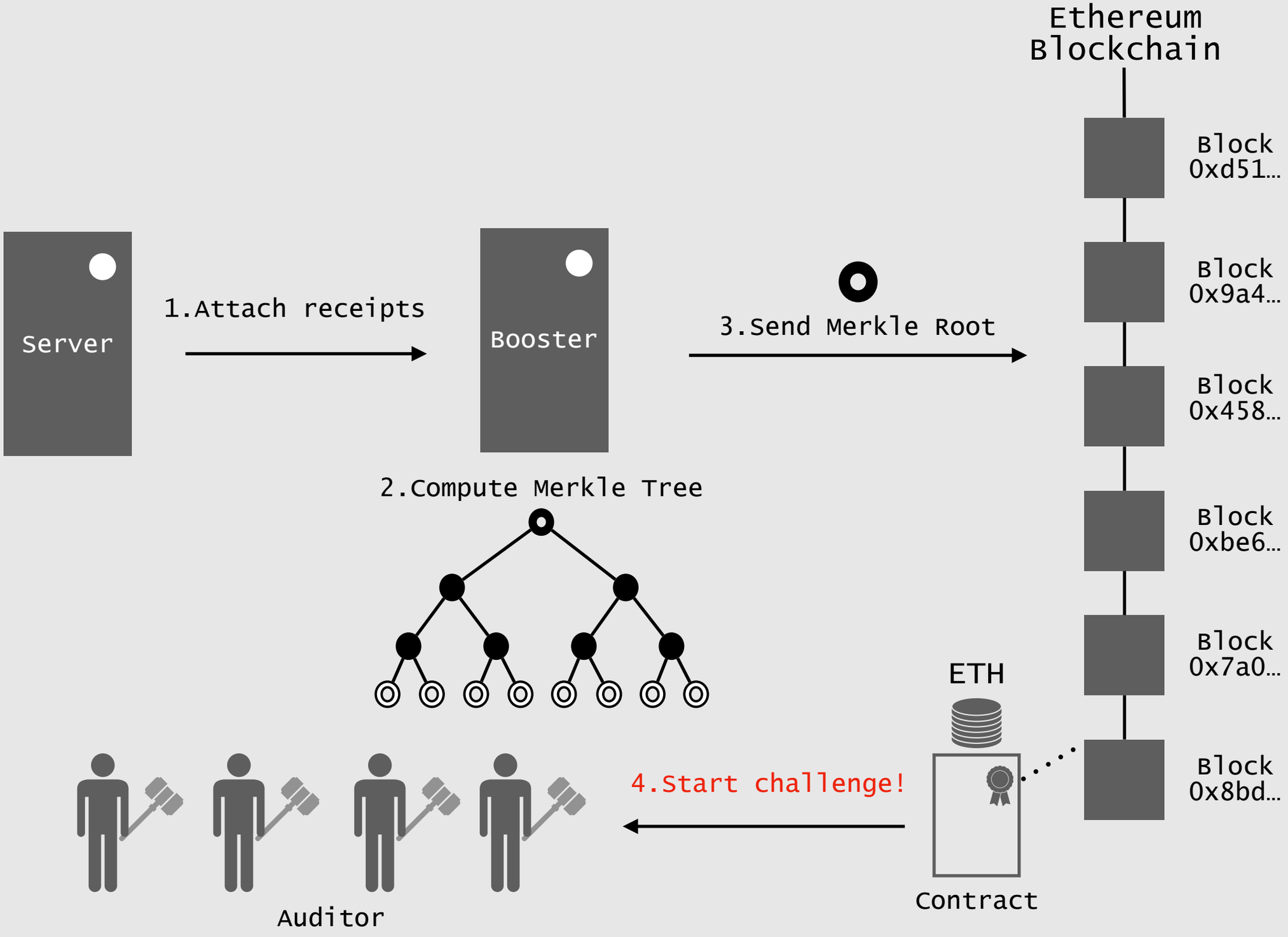
# Protocol: Remittance



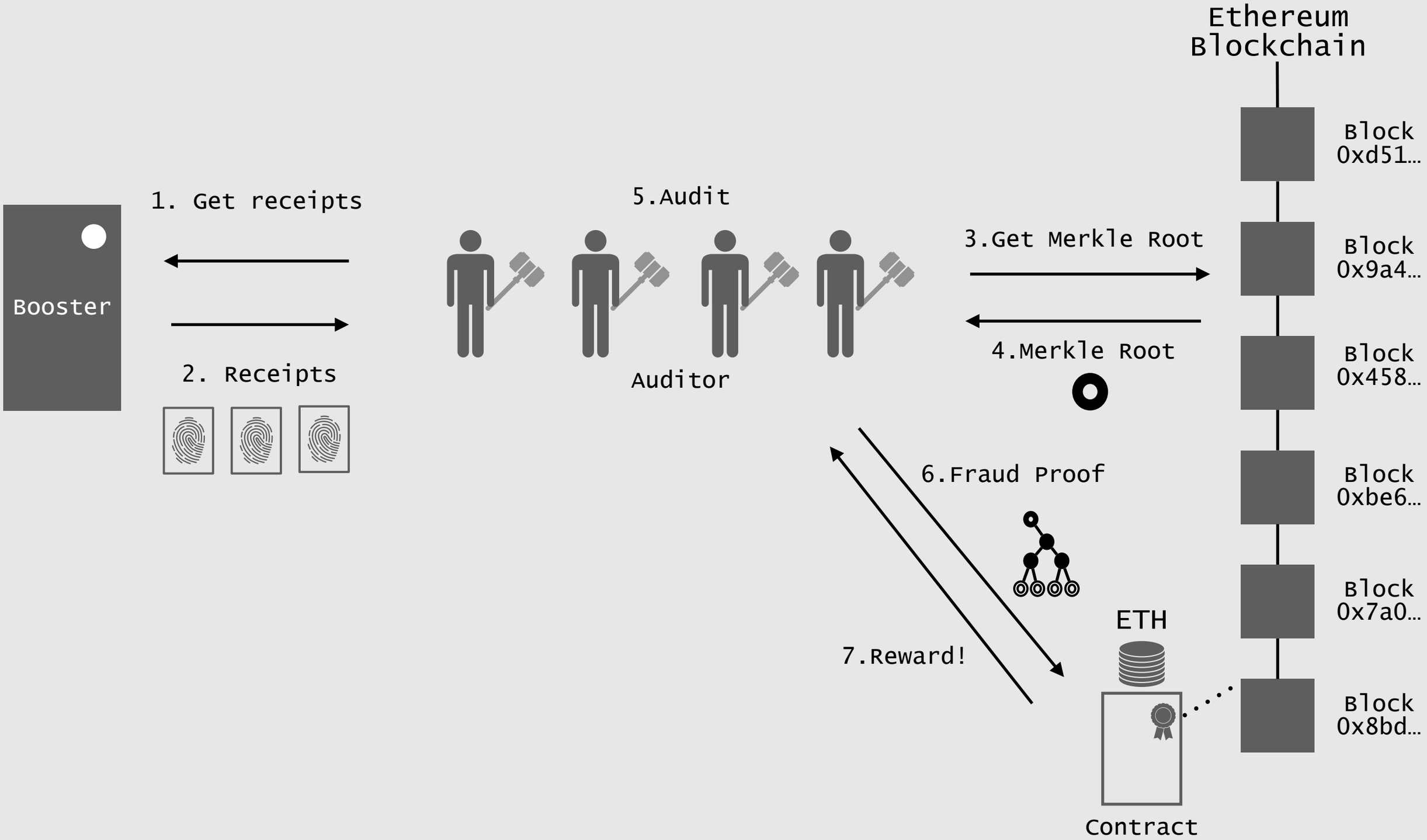
# Protocol: Withdrawal



# Protocol: Challenge Start



# Protocol: Challenge Period

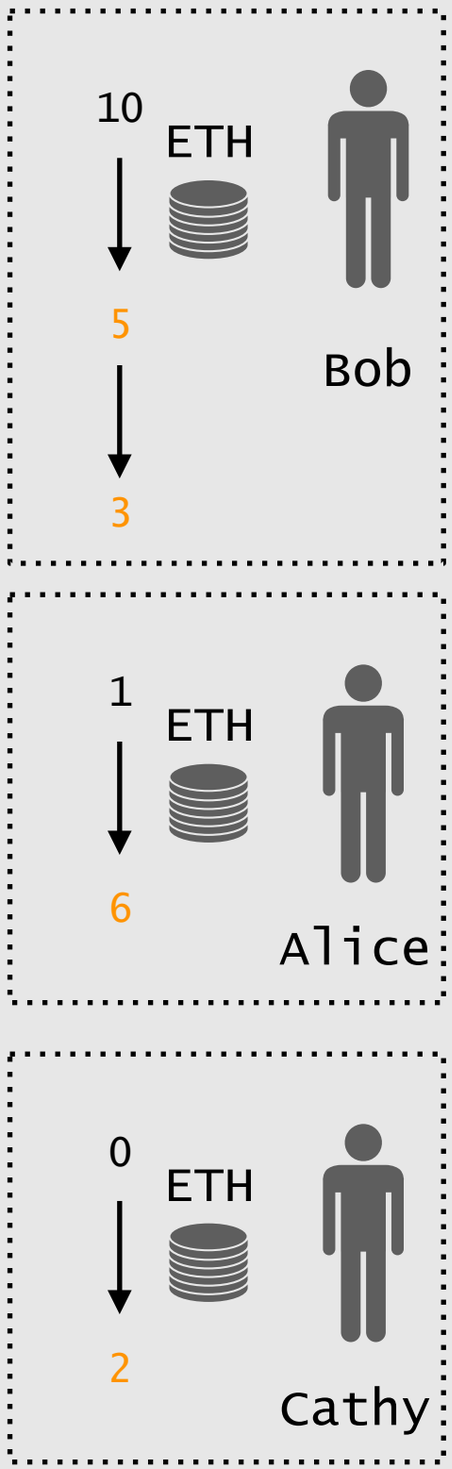


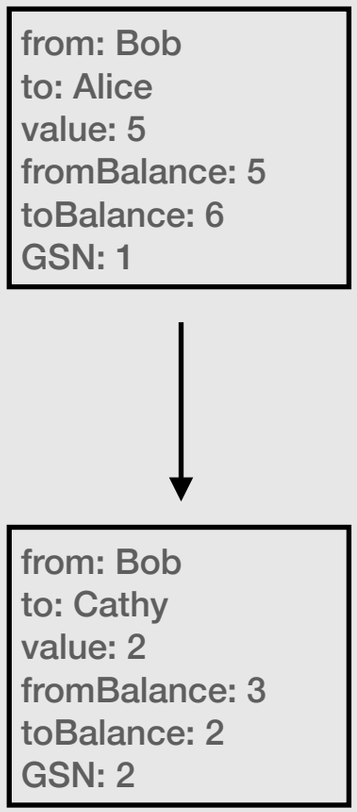
# Protocol: Fraud Proof

Type:

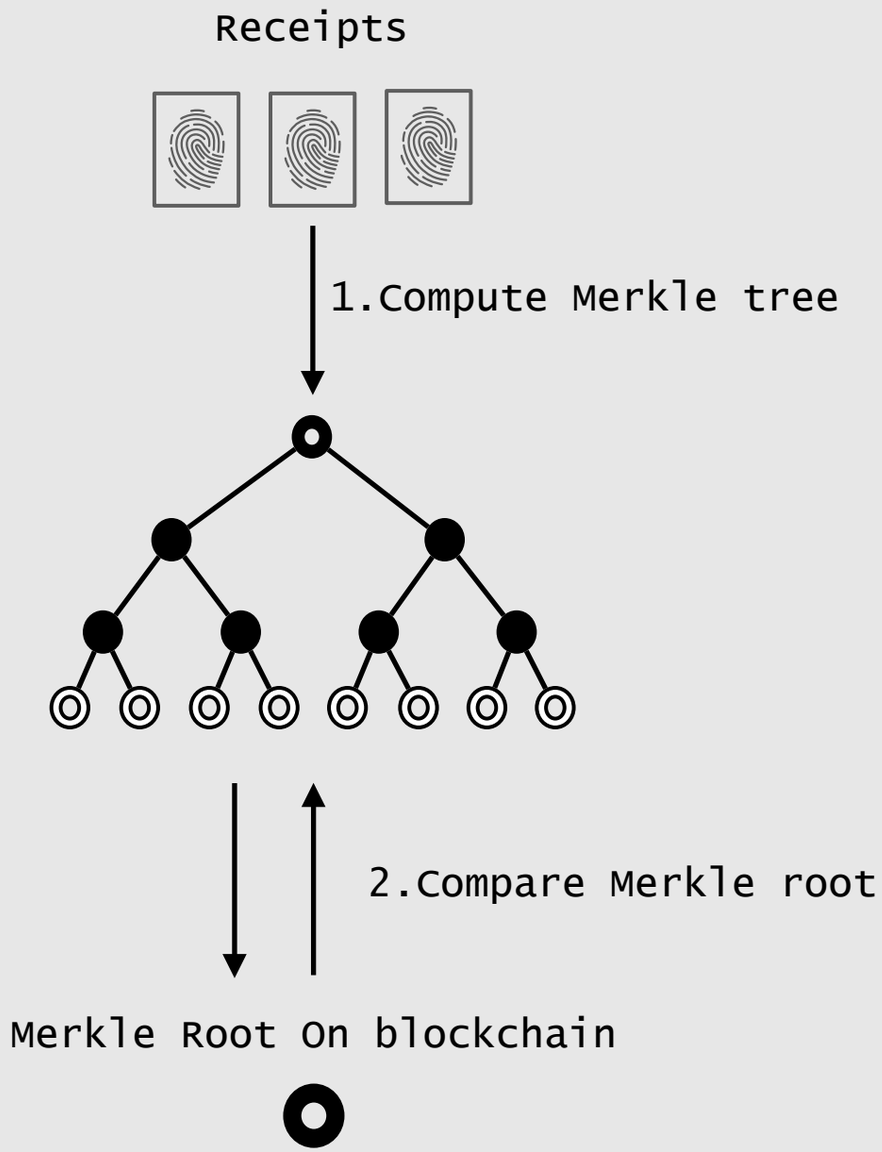
- Proof of existence
- Repeated GSN
- Skipped GSN
- Wrong balance status

# Protocol: Receipt Structure

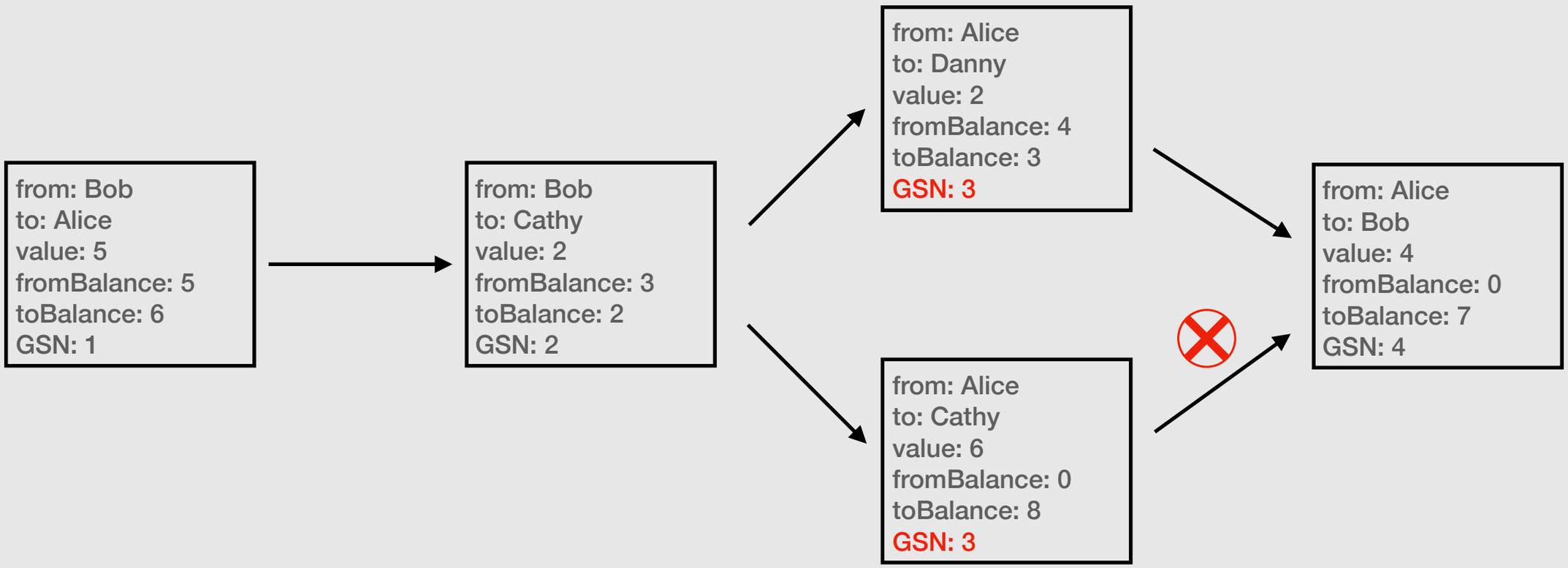




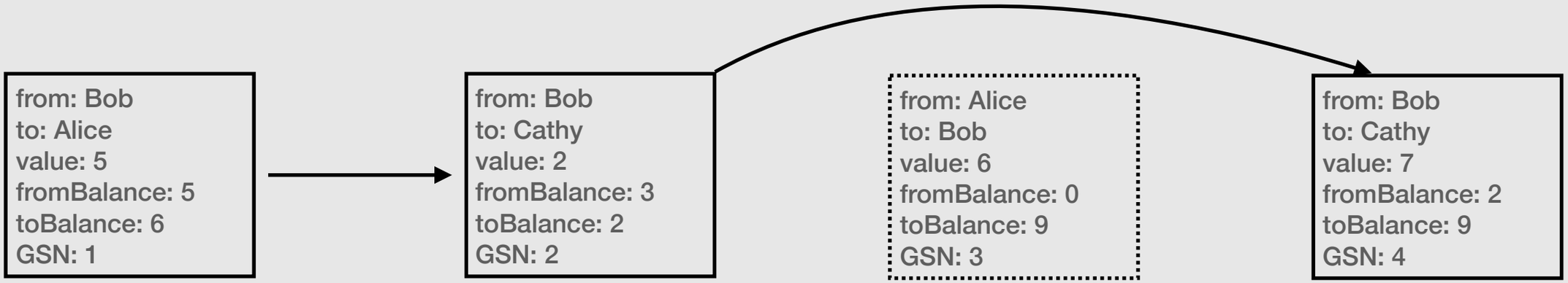
# Fraud Proof: Proof of existence



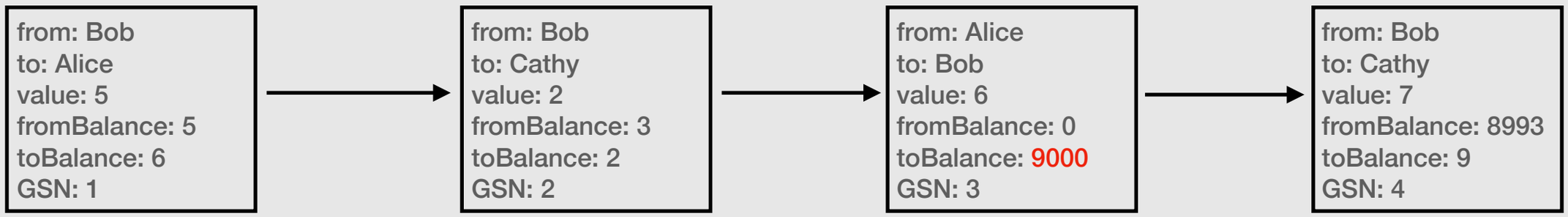
# Fraud Proof: Repeated GSN



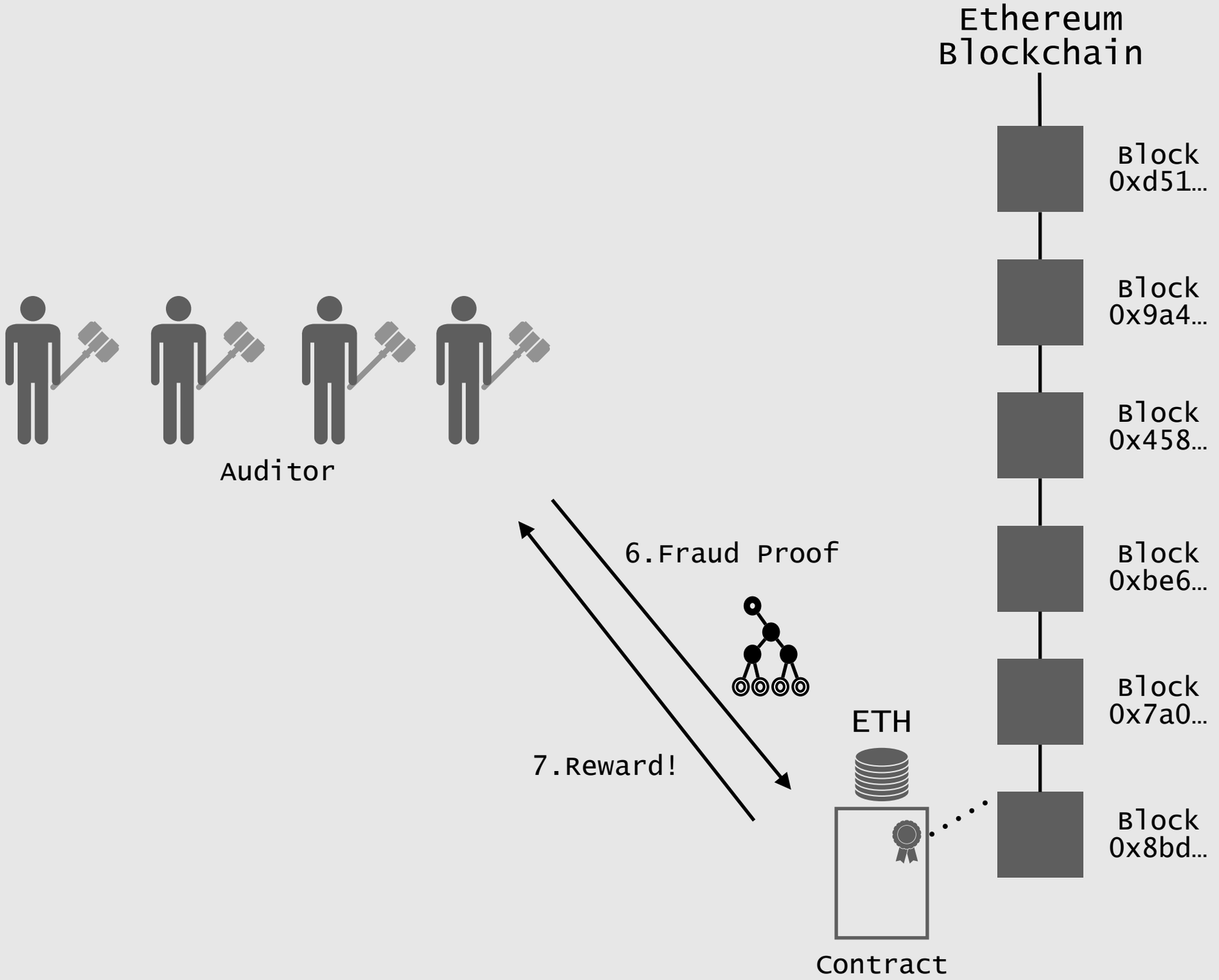
# Fraud Proof: Skipped GSN



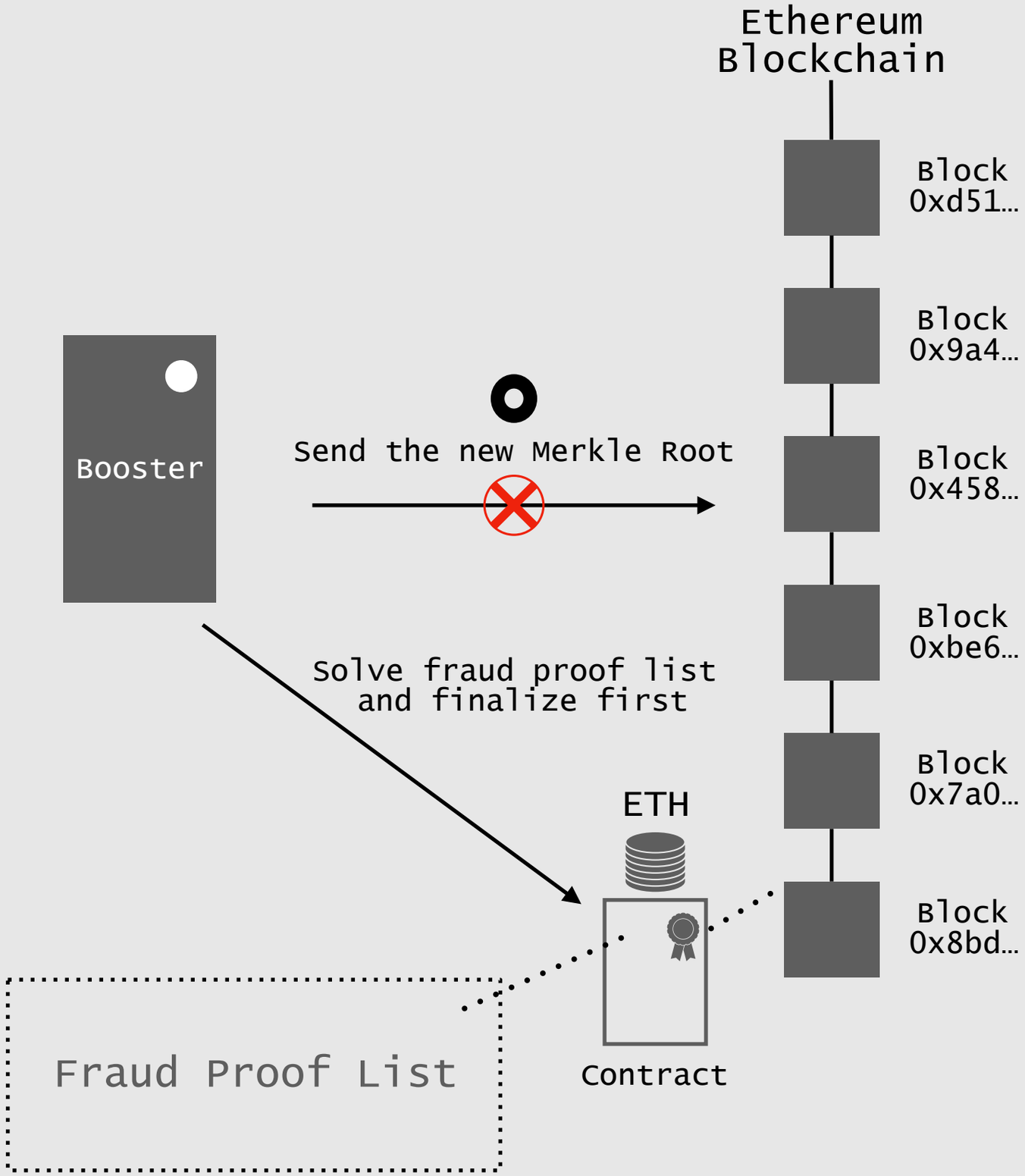
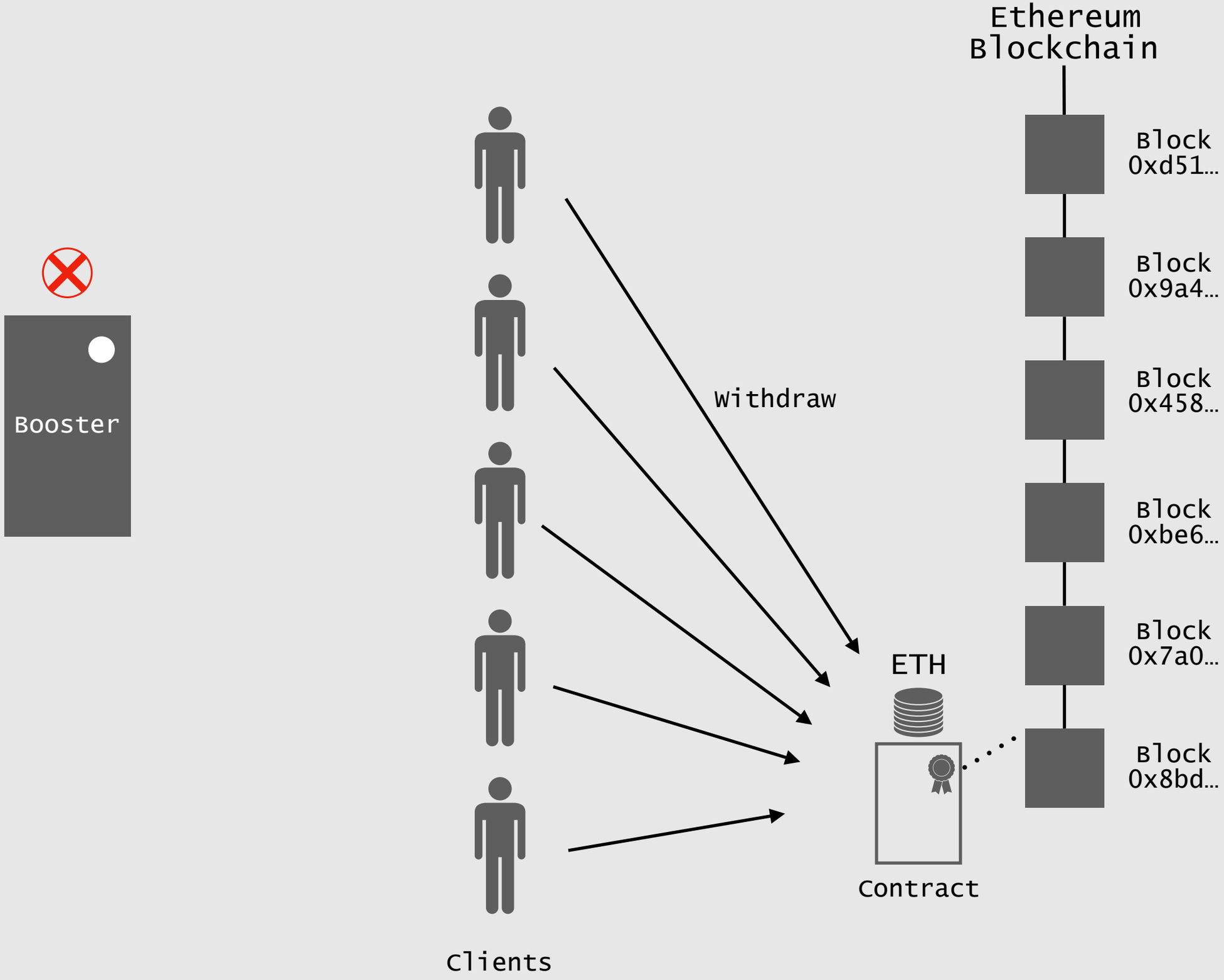
# Fraud Proof: Wrong Balance Status



# Protocol: Challenge



# Protocol: Finalize



# Protocol: Force Withdraw