

# Bitcoin Security

- Overview
  - Usage
    - Benefits
      - Decentralization
      - Cheap Transfers
      - Speed
    - Technical Details
      - Wallets
      - Exchanges
      - Transactions
      - Block Chain
      - Double-spending
  - Mining
    - Blocks
      - Adding to the Block Chain
      - Transaction Fees
    - Incentive
      - Coinbase
      - 21 Million Limit
      - Subdivision
        - satoshis
  - Origins
    - Satoshi Nakamoto
- Example
  - Alice and Bob
  - Mining Methods
    - CPUs, GPUs, ASICs, and Pools
- Security
  - Usage
    - Wallets
      - Asymmetric Cryptography
        - ECDSA + SHA-256 & RIPEMD
    - Block Chain
      - Verification
  - Mining
    - Proof of Work
      - Difficulty
      - Block Chain Forgery