A black and white photograph of the MIT Great Dome at night. The dome is illuminated from within, showing its tiered structure and the year 'MCMXVI' inscribed on the base. Below the dome, the words 'MASSACHUSETTS INSTITUTE OF TECHNOLOGY' are visible on a pediment. The building features classical columns and large windows. The foreground is a dark, open grassy area.

Blockchain Transaction

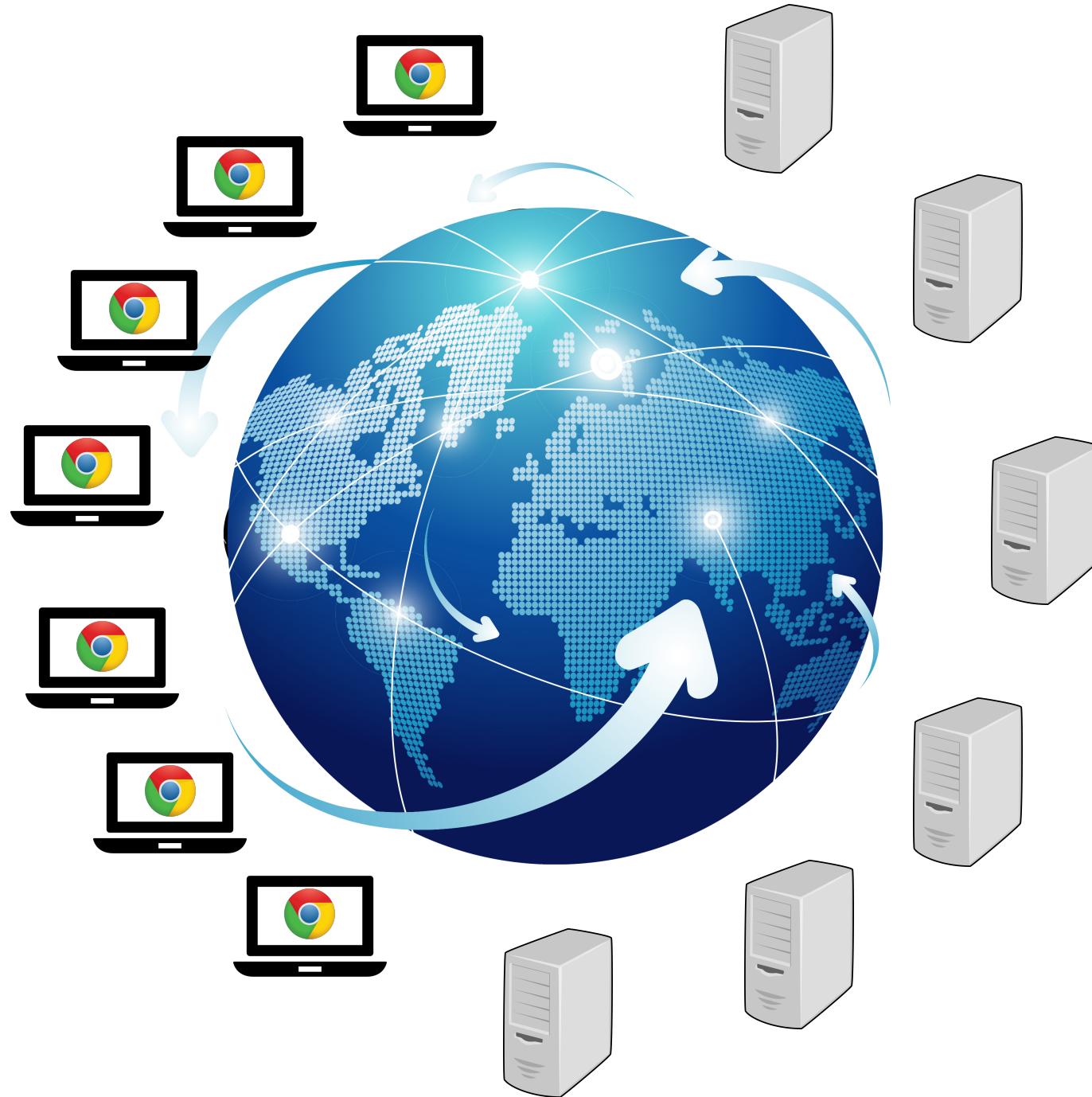
Next Gen Internet

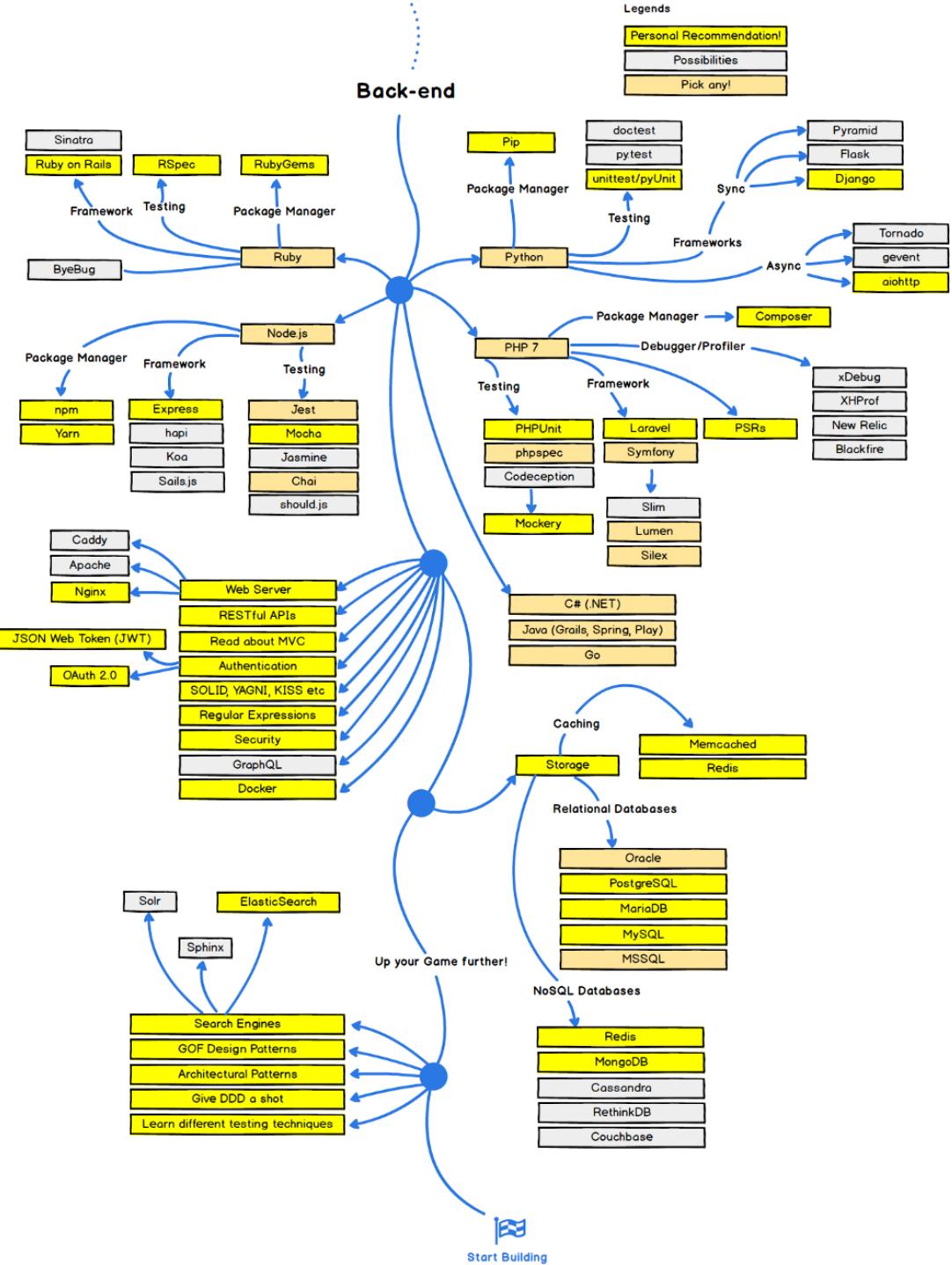
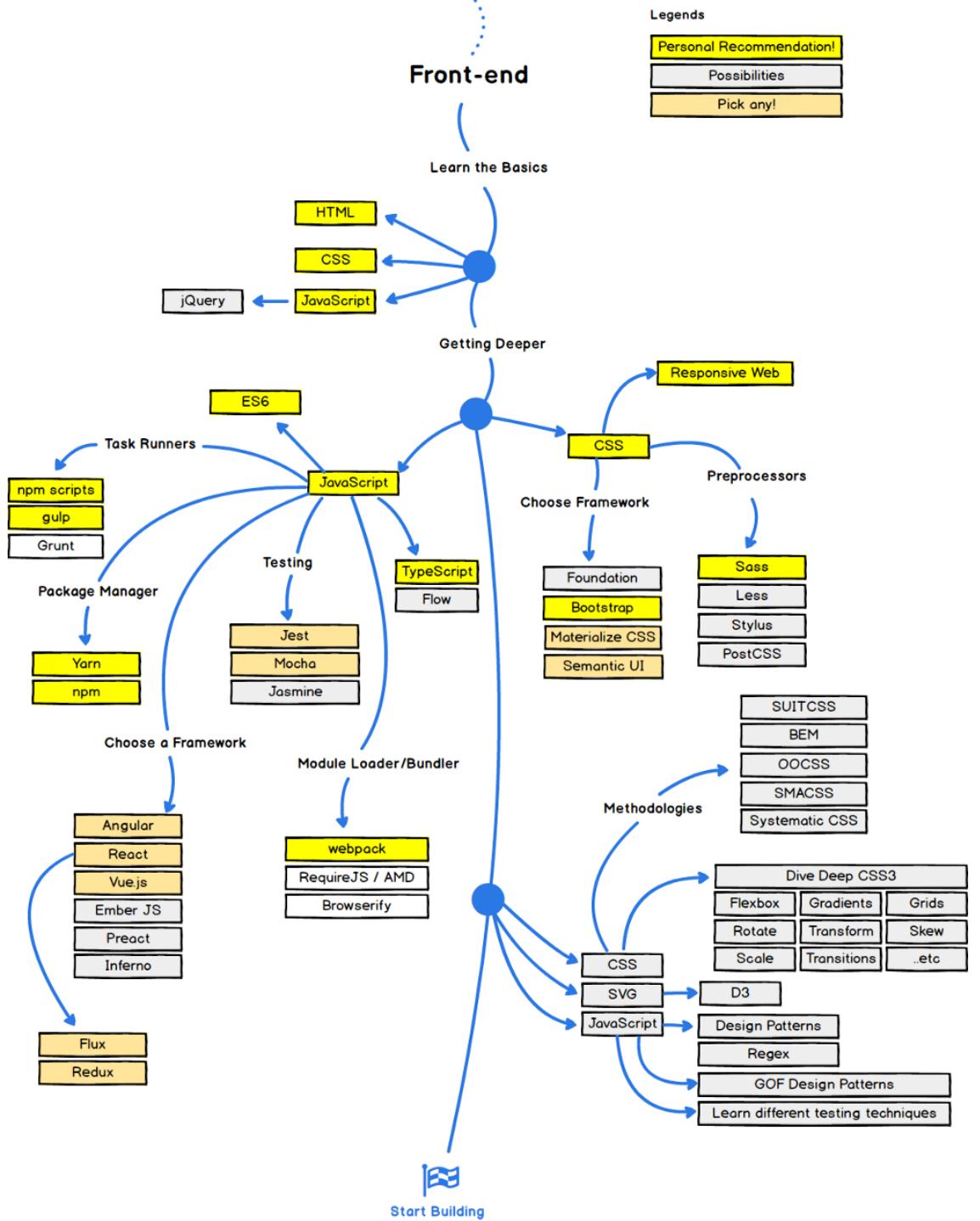
Abel Sanchez, John R. Williams



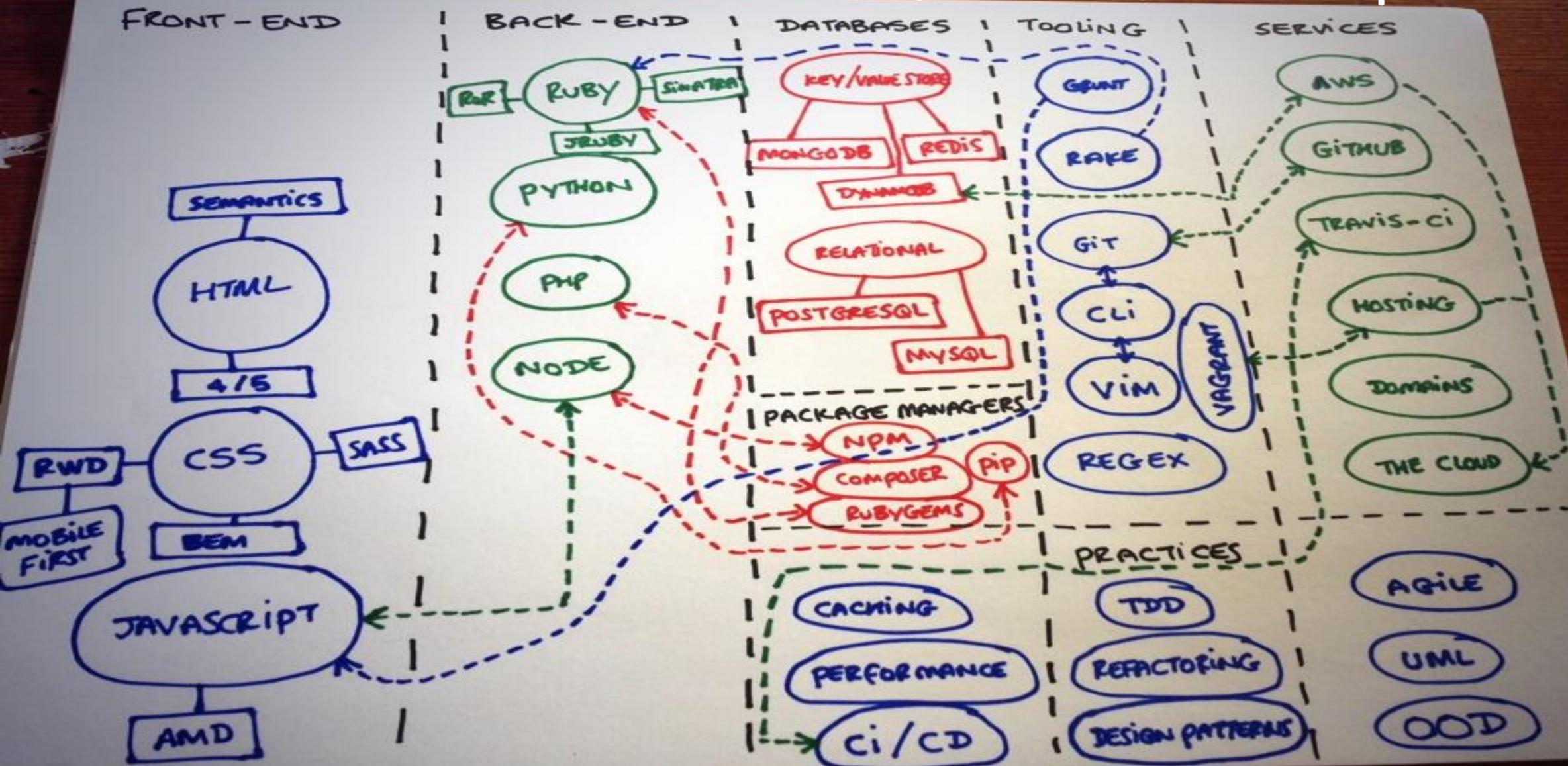


www

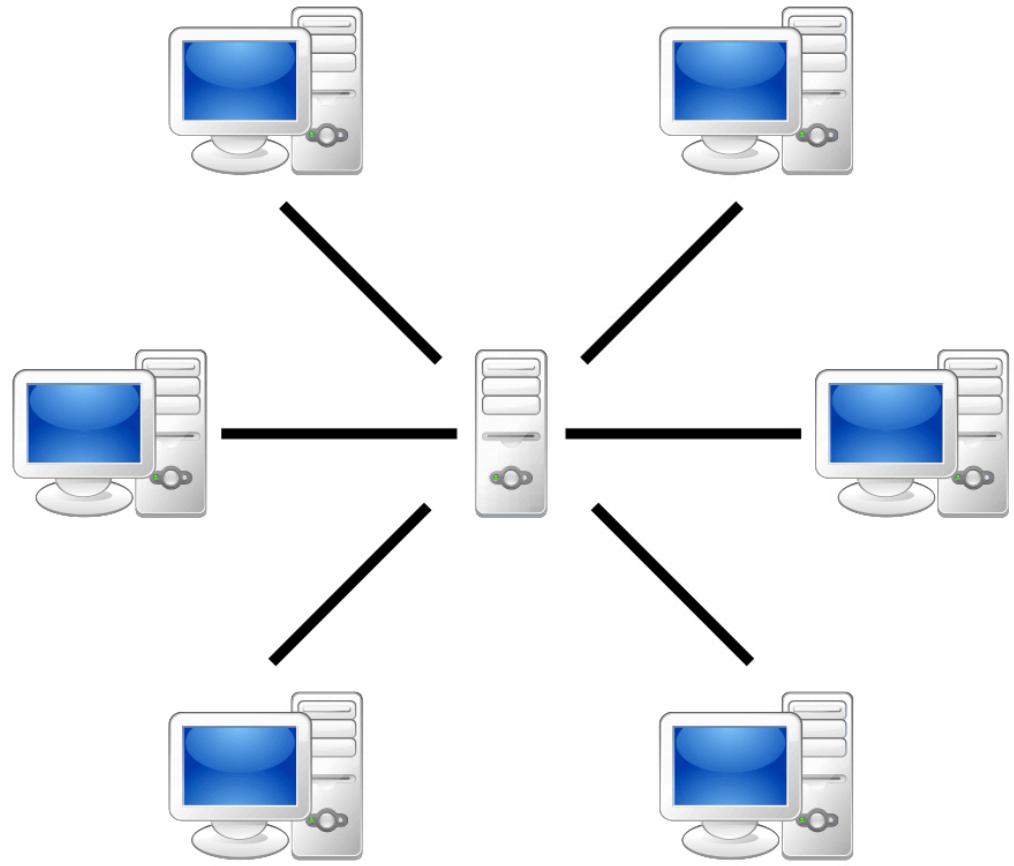




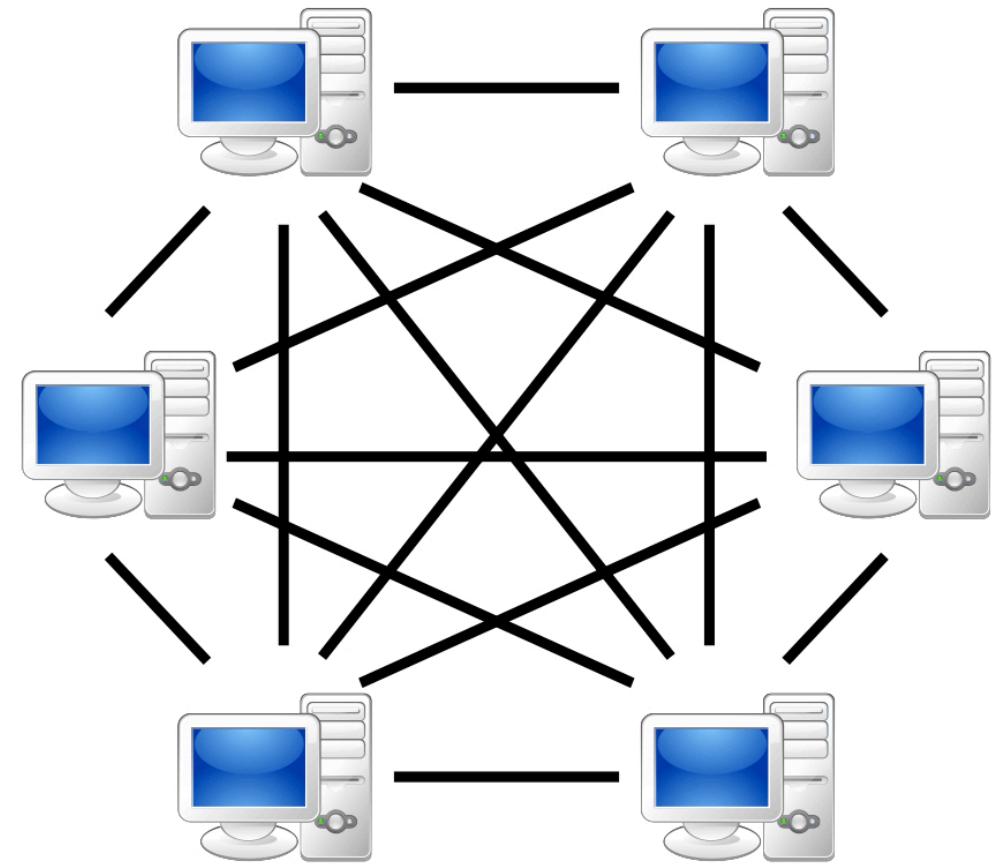
Tier/Service Explosion



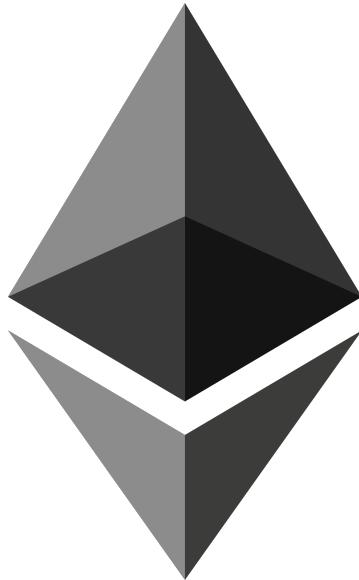




Server-based
www



P2P-network
Blockchain

The Ethereum logo is a dark gray, three-dimensional hexagonal prism with a white outline. It is positioned centrally in the diagram.

GETH

MIST

PARITY

TESTRPC

ZEPPELIN

SOLC

TRUFFLE

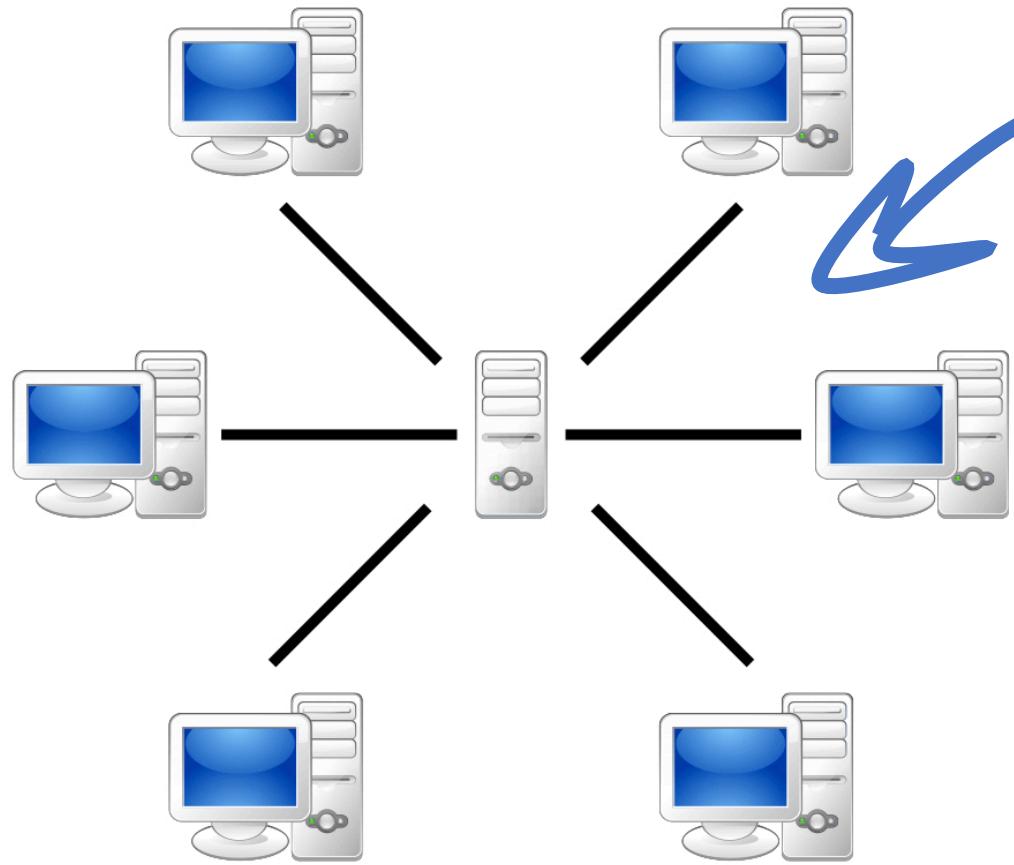
EMBARK

IPFS

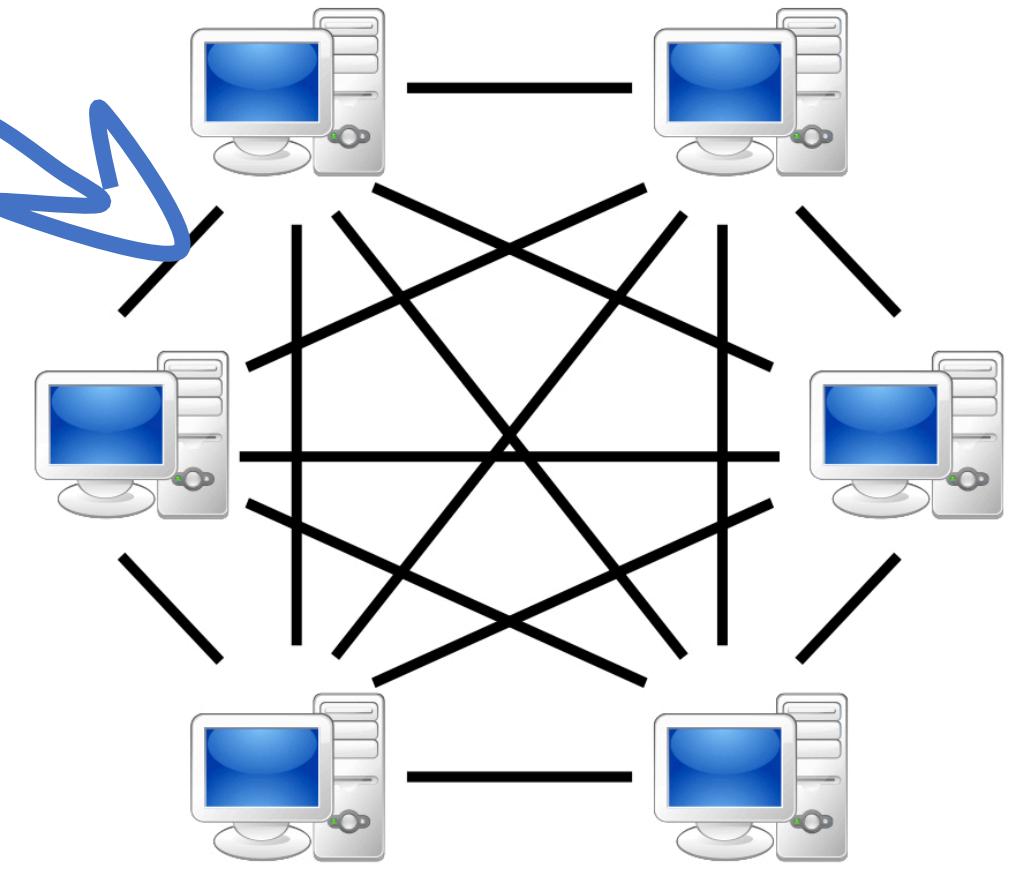
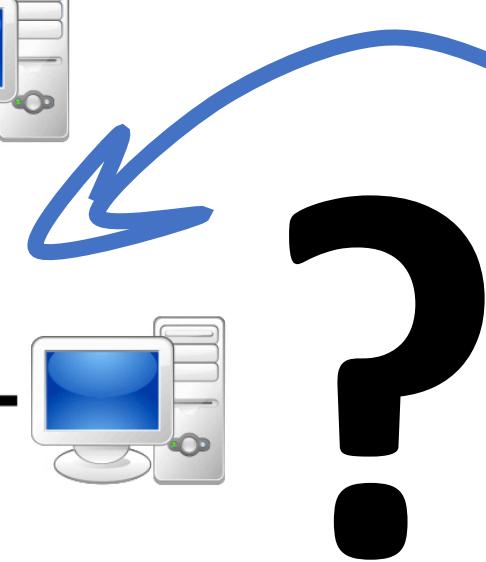
WHISPER

SOLIUM

WEB3

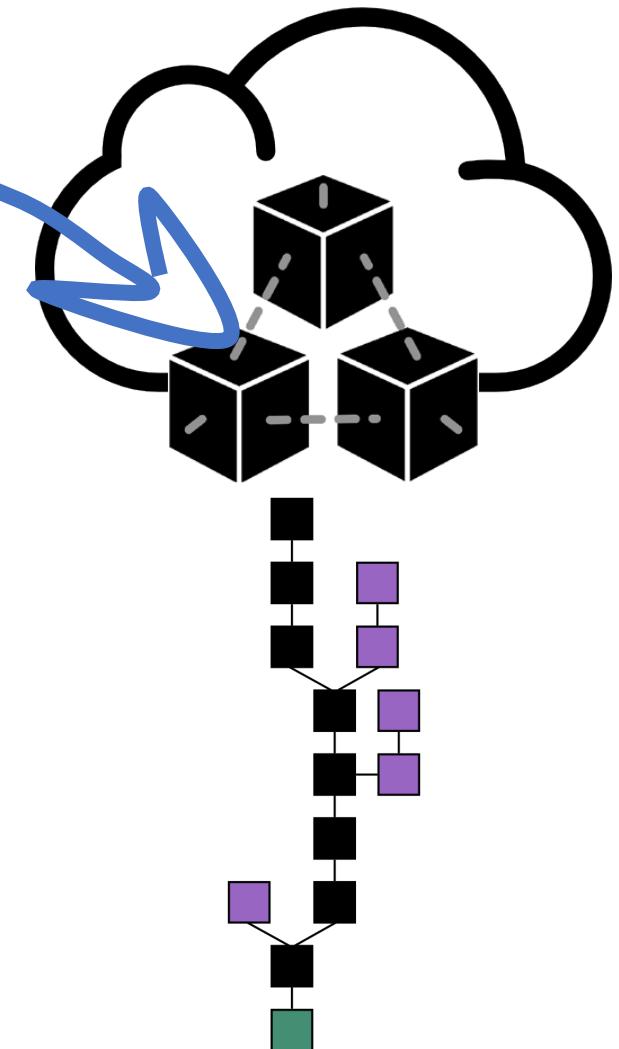
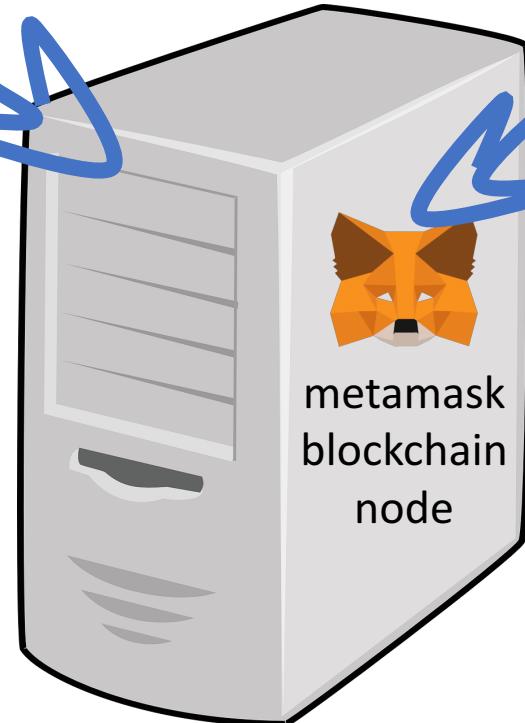


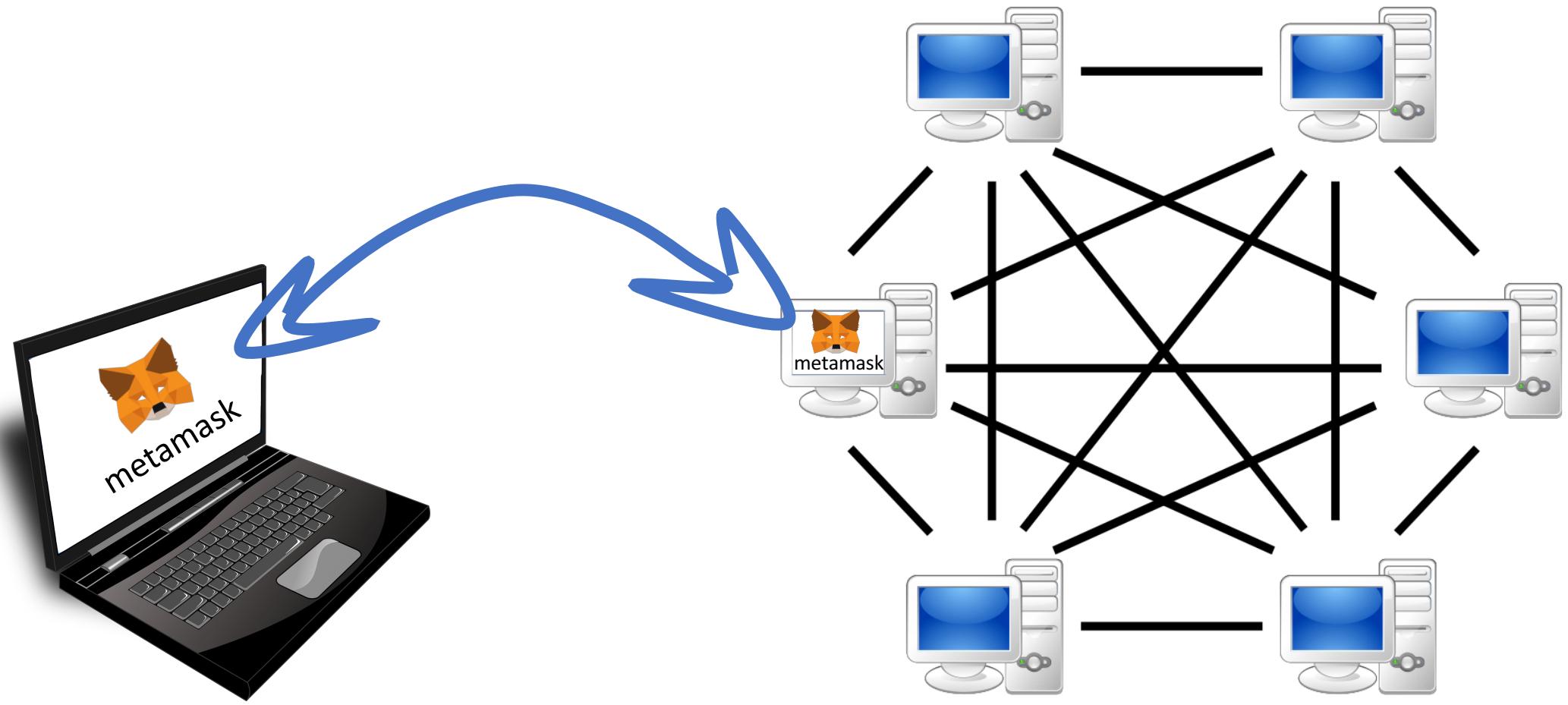
Server-based
www



P2P-network
Blockchain







P2P–network

- New account
- No transactions
- No History
- No funds



Peter

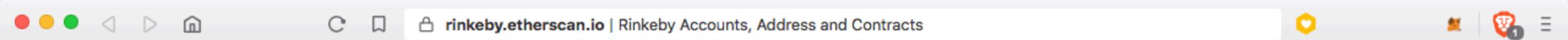


0x44A4F8fdcB4ad25273864A665E1a484998C5Fe04



ETHERSCAN

The Ethereum Block Explorer



Rinkeby Accounts, Addre +



RINKEBY (CLIQUE) TESTNET

Search by Address / Txhash / Block / Token / Ens

GO

HOME

BLOCKCHAIN ▾

TOKEN ▾

MISC ▾

Address 0x44A4F8fdcB4ad25273864A665E1a484998C5Fe04 

Home / Accounts / Address

Overview



More Options ▾

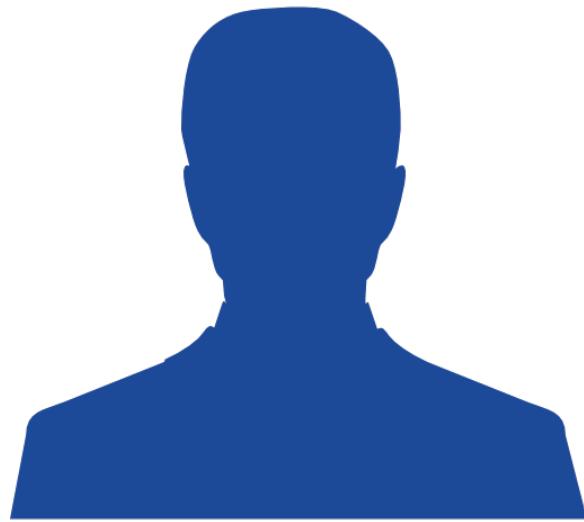
Balance: 0 Ether

Transactions: 0 txns

Transactions

| TxHash | Block | Age | From | To | Value | [TxFee] |
|--------|-------|-----|------|----|-------|---------|
|--------|-------|-----|------|----|-------|---------|

There are no matching entries



Abel



5 ETH



Peter





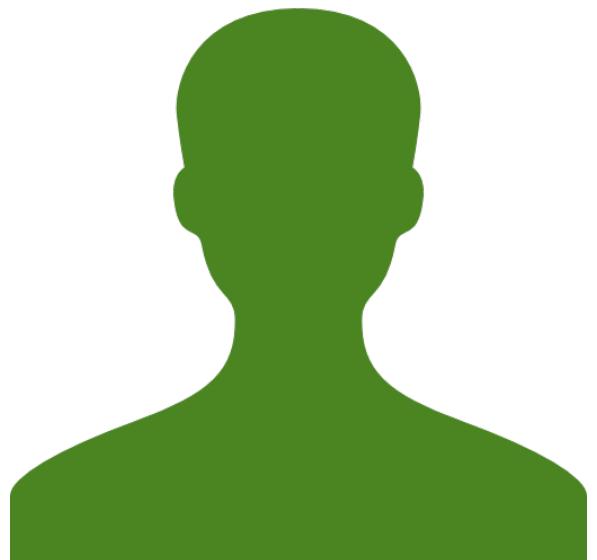
BLOCK

You can think of each block as a sheet of paper that contains a list of transactions. As soon as a block is mined, the sheet of paper is finalized. That is, we have validated that all the transaction details on this sheet of paper are true.



ETHERSCAN

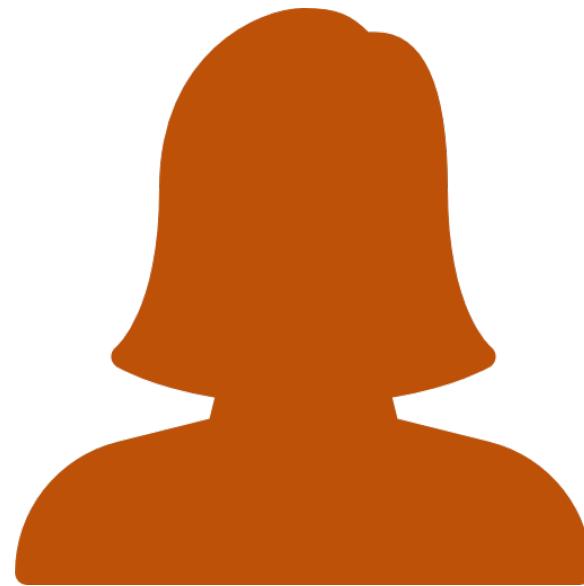
The Ethereum Block Explorer



Peter



1 ETH



Alice





ETHERSCAN

The Ethereum Block Explorer

Comments

- Identity is keys
- Open record
- No intermediary
- Near real-time
- Transaction fees
- Privacy
- Robustness
- Censorship

Sample Accounts

9M

<https://etherscan.io/address/0x4fe56ab3bae1b0a44433458333c4b05a248f8241>

39M (6M T)

<https://etherscan.io/address/0x167a9333bf582556f35bd4d16a7e80e191aa6476>

50M

<https://etherscan.io/address/0xeb6d43fe241fb2320b5a3c9be9cdfd4dd8226451>

700M

<https://etherscan.io/address/0x281055afc982d96fab65b3a49cac8b878184cb16>

200M

<https://etherscan.io/address/0x5ff99b5b23c5ab8f463f6090342879c286a29be>