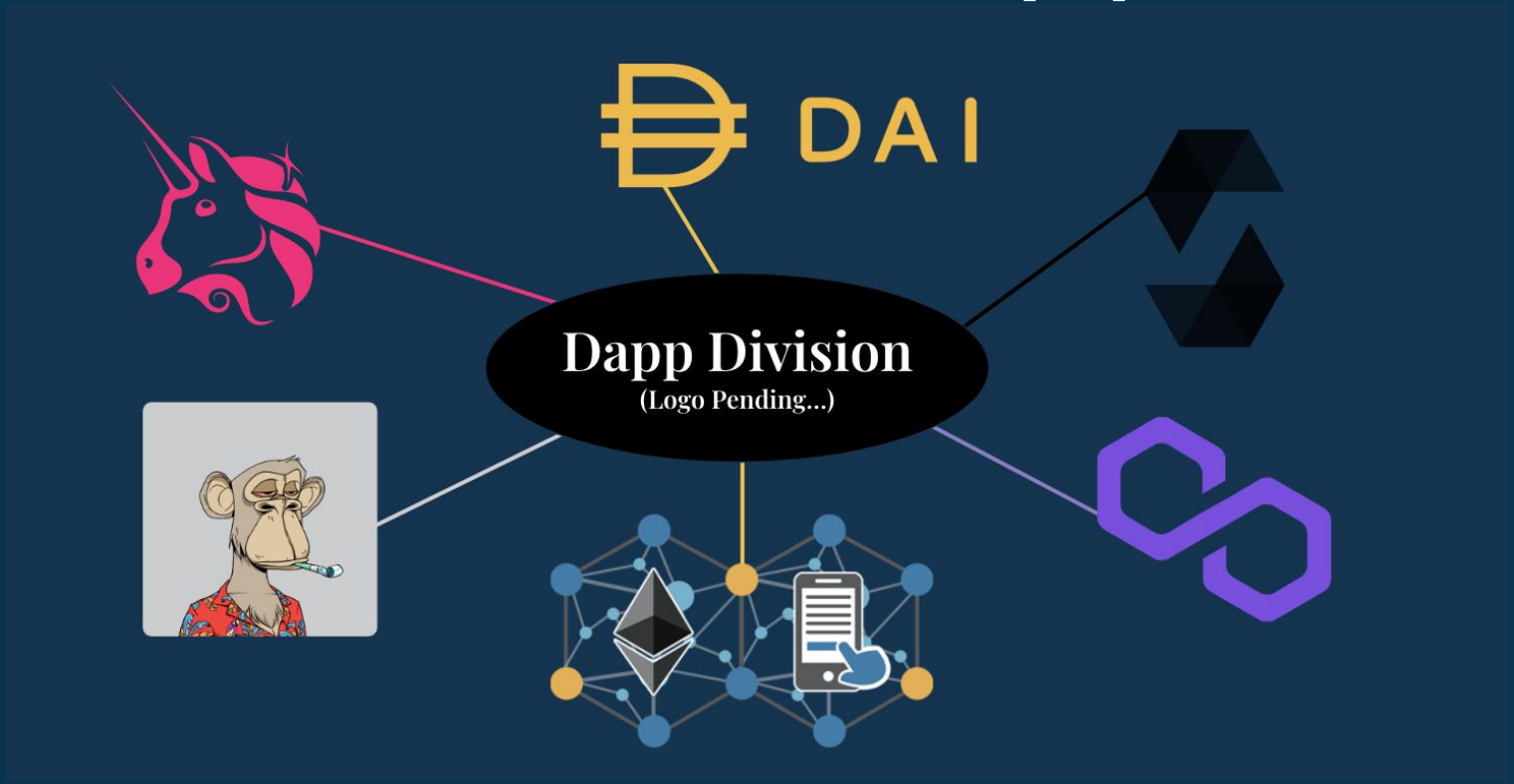
Oregon Blockchain

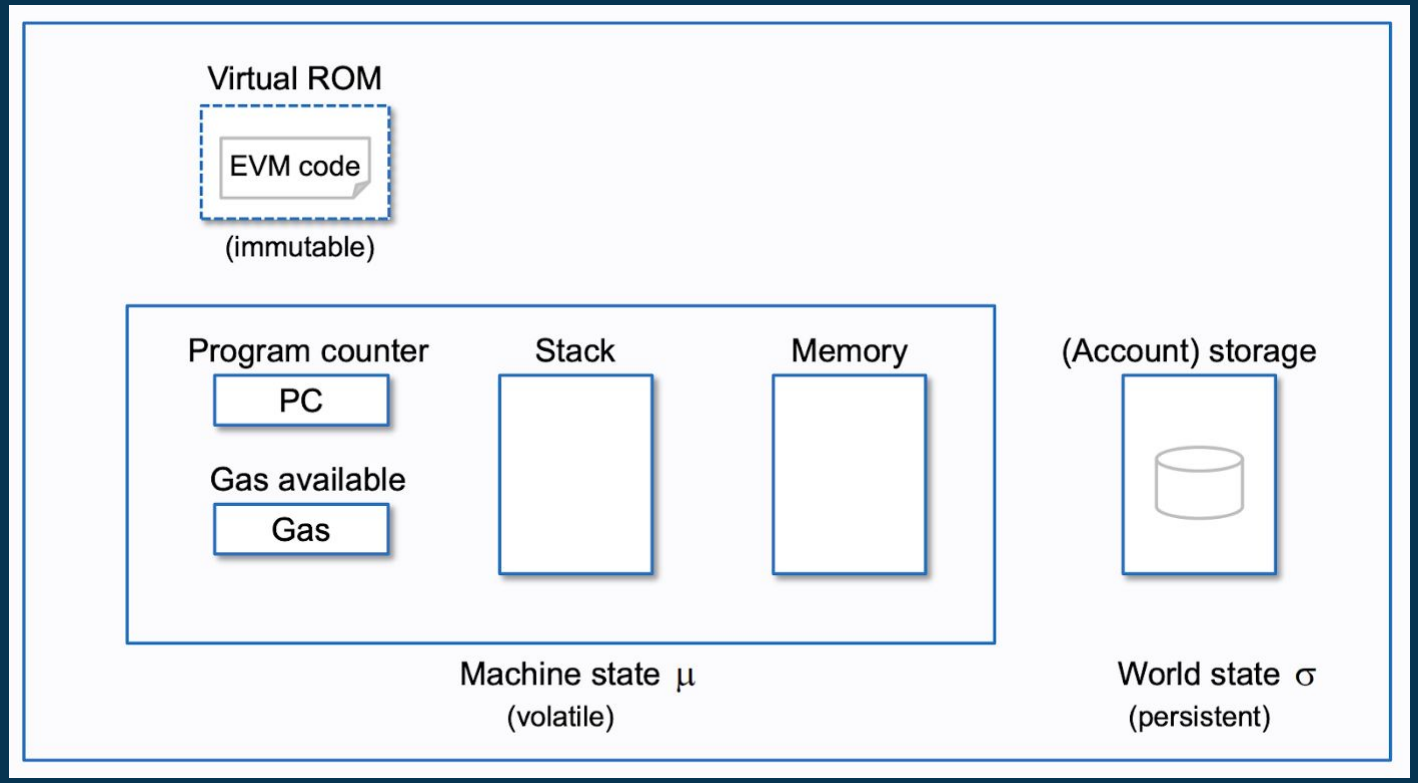
Week 3: Dapps!



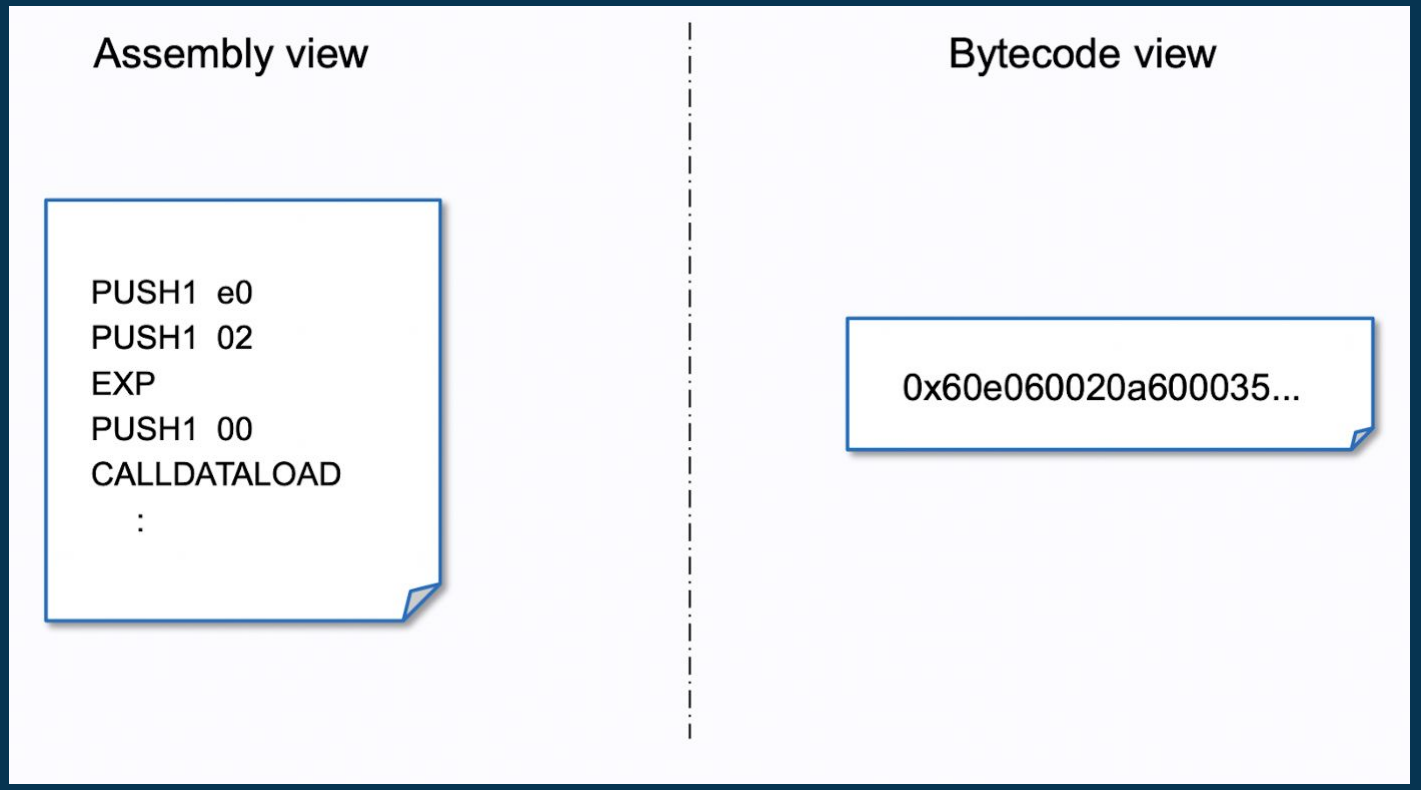
Homework!

- Running a node
- Who read Bitcoin independence day?

Revisiting VMs



Revisiting VMs

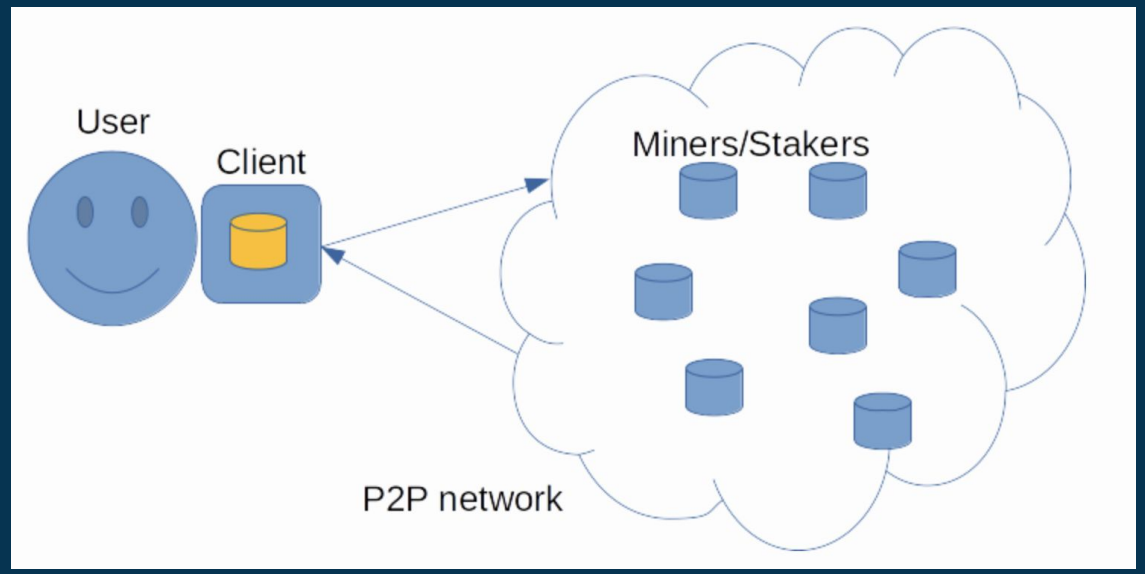


What is a Dapp?

Popular Dapps!

Dapps in the OBG Fund!

Dapps vs CeFi



VOYAGER

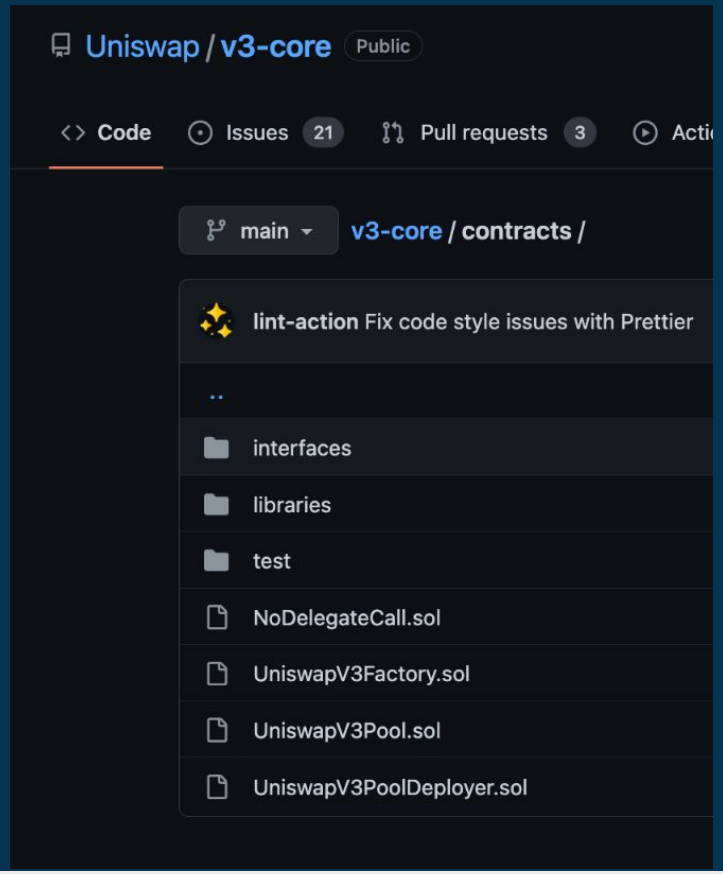
coinbase

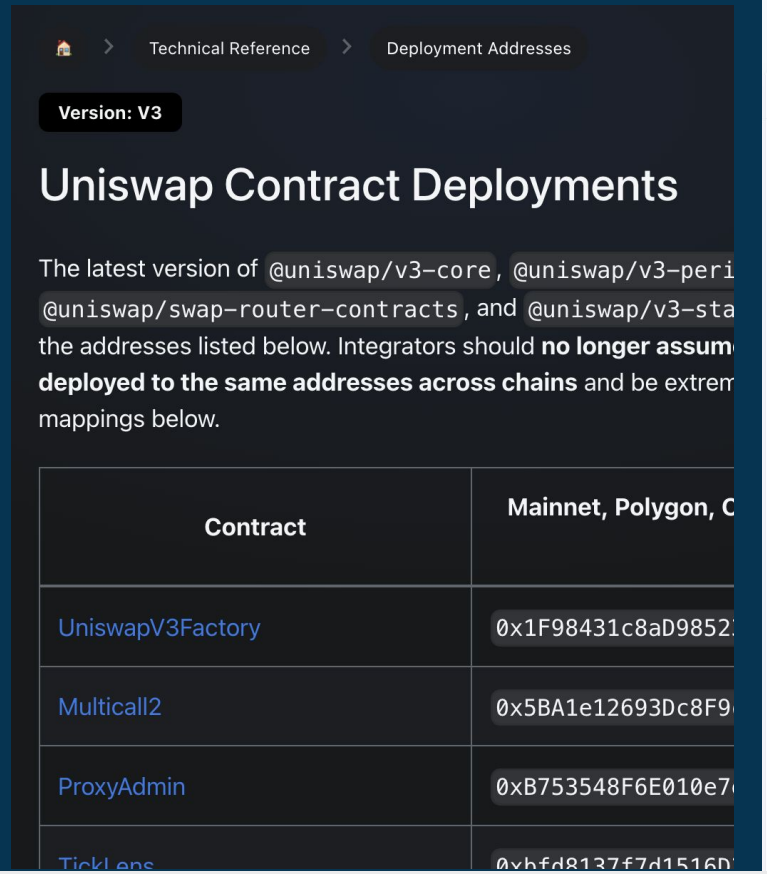
BlockFi

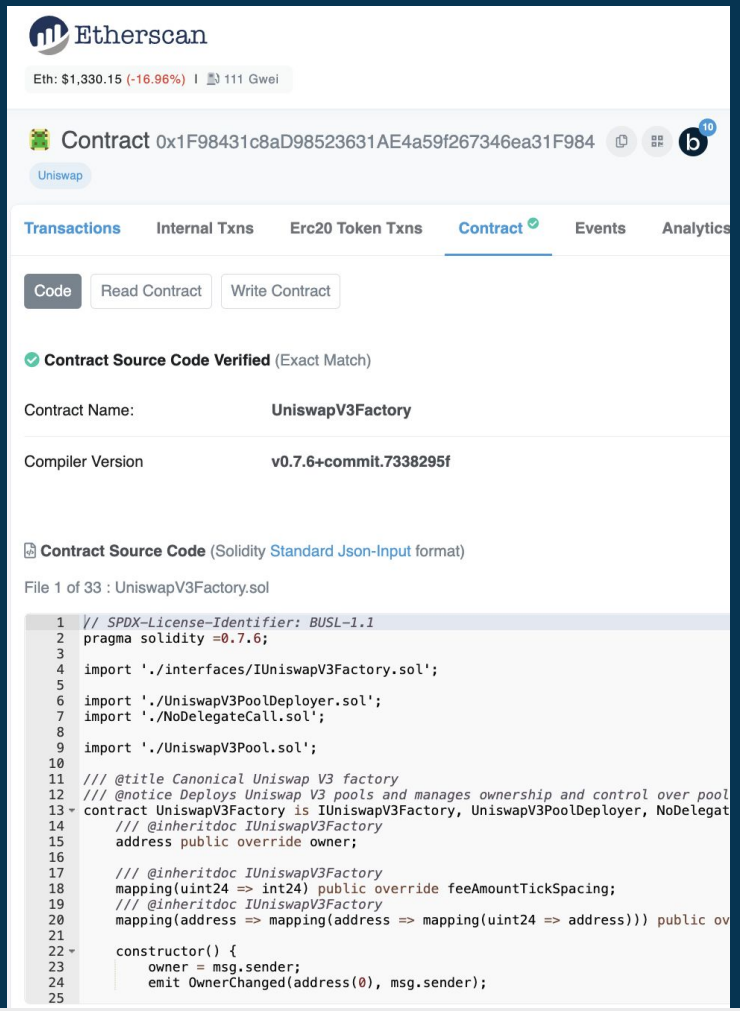
FTX

BINANCE

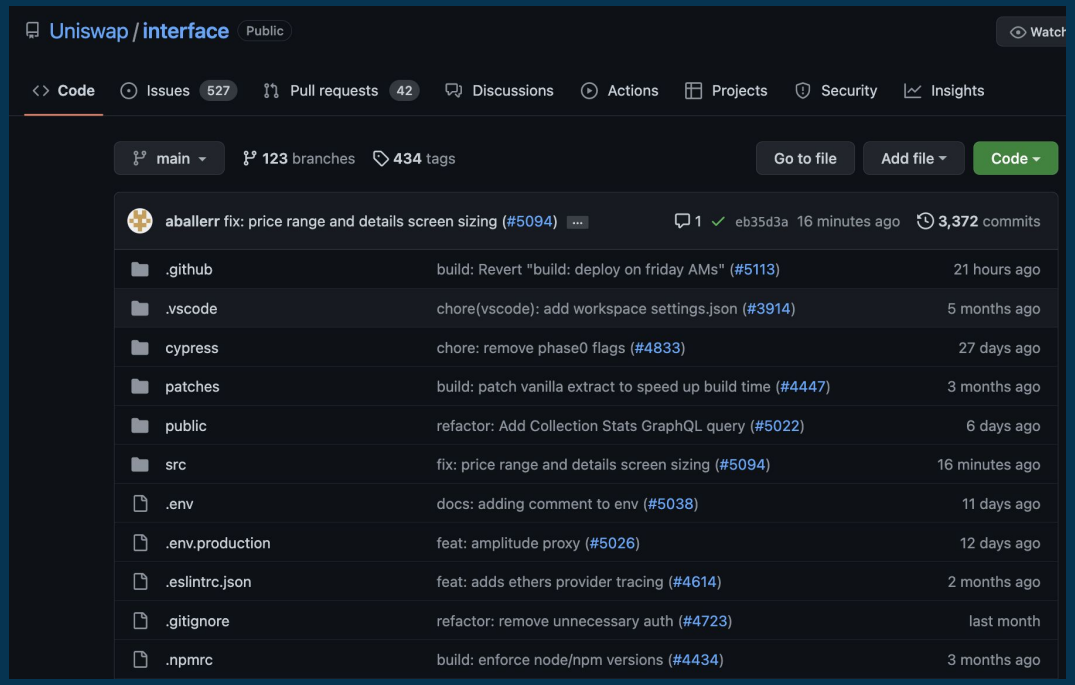
Dapp backend: EVM languages!

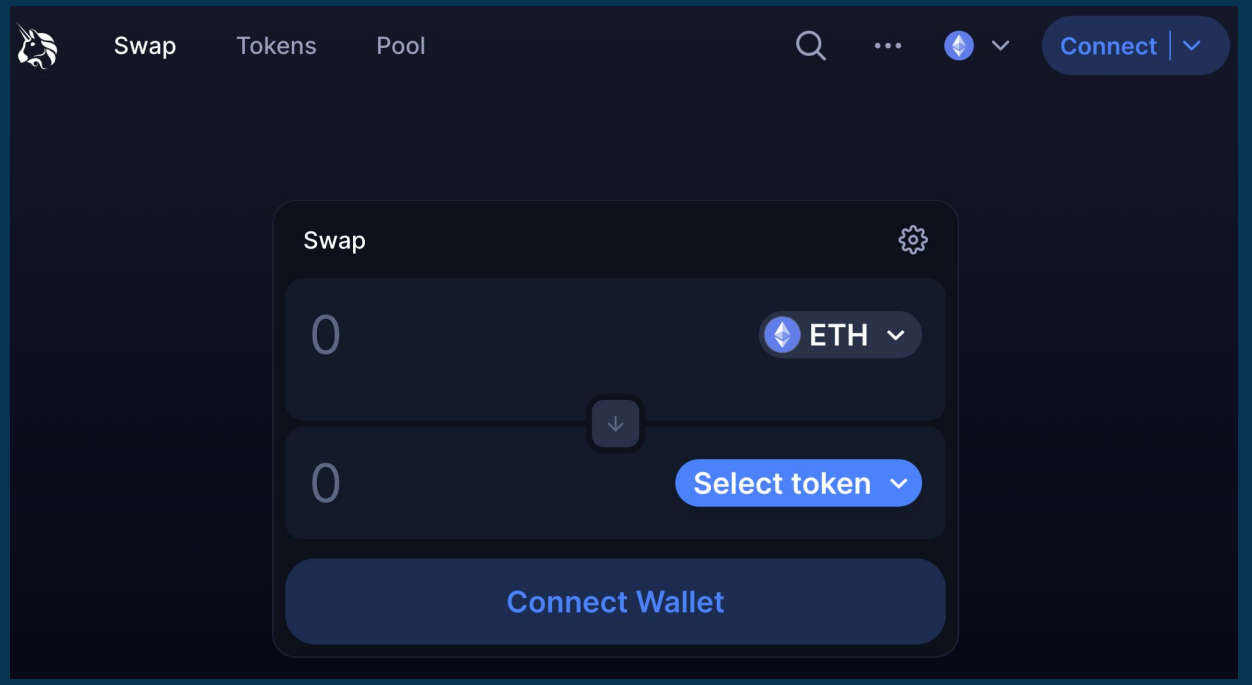






Dapp frontend: Typescript & React!

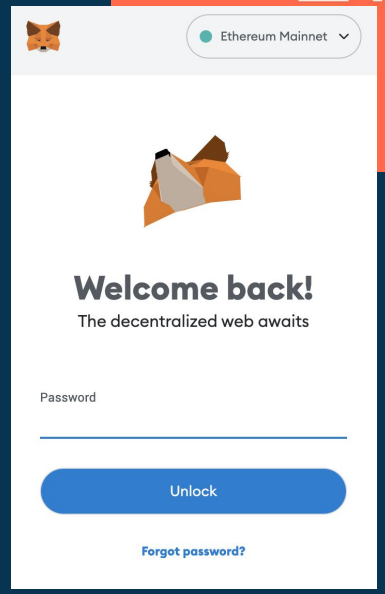


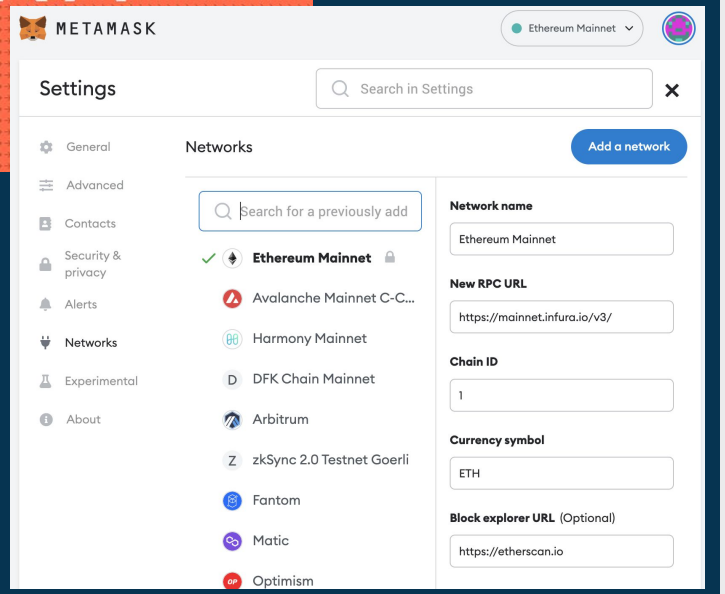


How do your keys interact with Dapps?

- Running a node is hard!
- Browser wallets
- RPC nodes

- Interacting with smart contracts directly?





Tornado Cash

- Government no likey!
- Banned app
- Can interact with contracts directly (at your own peril!)
- Frontend was censored!

Dapp Endgame

Bad parts of dapps

1. Centralized frontend
2. Centralized RPC service

Improvements

1. IPFS? Opensource?
2. Run your own node! In the future, browser clients :)

What Dapps can we use today?

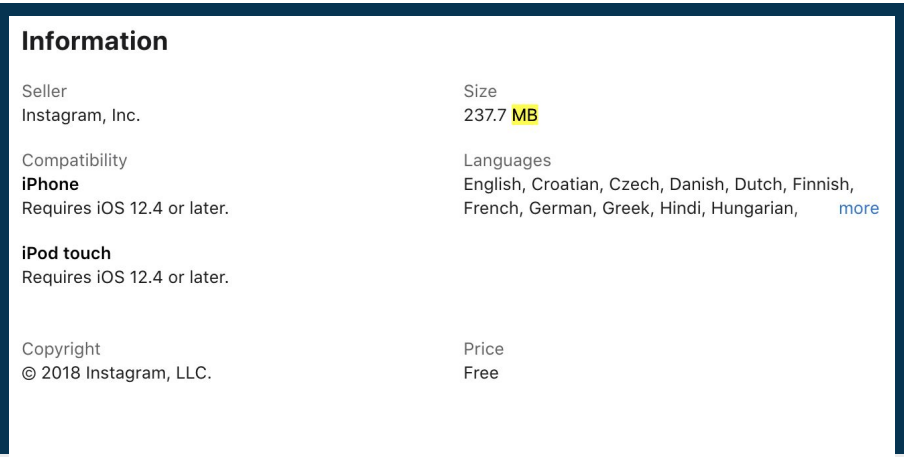
Today:

- Low compute apps, blockspace/compute too expensive for anything cool!
- Defi
- NFTs

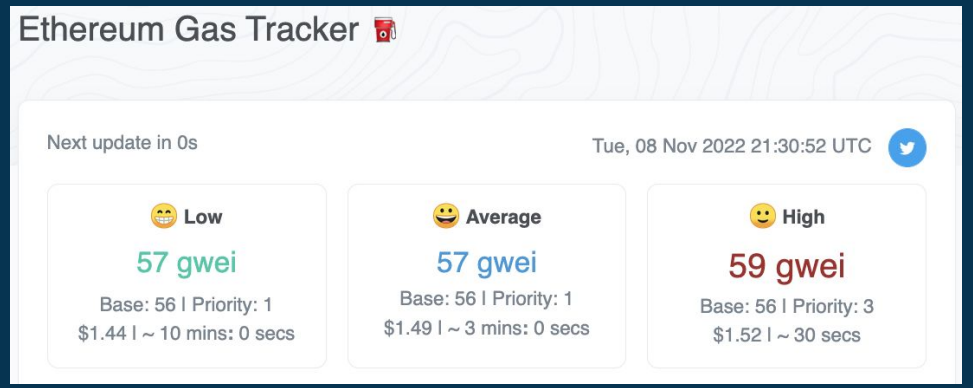
Future

- Ethereum working very hard to make compute cheaper!
- Video Games
- Social Media
- More interactive and immersive dapps!

Blockspace Example



- Ethereum block size changes!
- 237.7 / .081092 = 2,931
- 2,931 * (15,000,000*1.49)= $65 million



Onboarding Checklist

- ✅ Week 1: Introductions
- ✅ Week2: What blockchains solve
- ✅ Week3: How a blockchain works
- ✅ Week4: How to use a blockchain
- Week5: Social layer (why blockchains!)

1. Make a browser wallet
2. Store private keys
3. Use Uniswap or something from the OBG fund!