Facebook on blockchain?
Reinventing the Internet spectrum:
build a bunch of own middleware … throw out L2

Example: Istvan NSDI ’16
• Ethereum
• TON

  ...

• Freenet
• I2P
• Tor
• GNUnet
:3 ==> example.com
MAC, DHCP, IP, TCP src, DNS spoofing

... 

Made into “merely” leaks
by “universal” TLS (oh, OCSP!)
Tor ain’t enough

• GPNO
• generally narrow scope:
  • limited anonymization,
  • even more limited distribution strategies possible
1. Lock-in
2. • content distribution
   • native monetization
   • security by default
3. Ridding of central authority (DNS, X.509)
4. Privacy and censorship resistance

Example: IPNS a month ago
Privacy and censorship-resistance

- BFT routing
- Resilient naming
- Private dot product
- **Efficient multicast** + subscriptions as cover traffic
- Transports indistinguishable from random packets
P2P social networks: why and how viable?