Locking the Web Open
The Decentralized Web

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Code is Law
But it is huge. We actually know. We collect 1 billion pages a week at the Internet Archive. And we are still behind. We now know Web pages only last about 100 days. Web pages blink on and off.
SPYING IS CENSORSHIP

FIGHT FOR THE FUTURE
Decentralized Web
Javascript / Emulation

Encryption / Public Key

Peer-to-Peer

Blockchain / Bitcoin

Payments

WebRTC
How about a bold goal?
How about Wordpress, but decentralized?
Scientific Publishing with its software and data that is Decentralized?
Journalism that is safe to write, and safe to read?
How about ________, but decentralized?
Decentralized Web

Goals:
- Normal browser (no download, no plug-in)
- Good names: http://brewsterblog.dweb
- Snappy performance
- Fun to post and comment
- User Identities with different roles

PLUS:
- Payments / Tips
- Versions / Archive
JavaScript as Operating System

Emulators show power
WebRTC enables P2P in JS
Website search in javascript
Website database in javascript

Normal browser
(no download, no plug-in)
Demo

https://archive.org
https://dweb.archive.org/
https://www-dweb-mirror.de
v.archive.org/details/local
An Easy Name System

Example: http://brewsterblog.dweb

Namecoin uses blockchain for registration

Ethereum ?

Good Names
Performance, Versions

Institutional Archives
ISP’s / CDN’s
+ others

Snappy Performance
Updates, decentralized

Mutable torrents
IPFS
GUN
YJS

Fun to update and comment
Decentralized Identity System

**Bitcoin** addresses for Signing Posts, proving identity (no passwords!)

Solid crypto / Solid Community / Existing Tools

Creation of delegated identities

Bonus points: Tipping and Payment system built in!

User Identities with different roles
Bonus points for Tips and Payments
We *can* have __________, but Decentralized

Goals:
- ✔ Normal browser  (no download, no plug-in)
- ✔ Good names:  http://brewsterblog.dweb
- ✔ Snappy performance
- ✔ Fun to post and Comment
- ✔ User Identities with different roles
- ✔ Payments / Tips
- ✔ Versions / Archive
Decentralized Web: Reliable Private Fun
LOCK THE WEB OPEN
Decentralized Web
We can build this, together
Locking the Web Open
The Decentralized Web

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