The Great Web

An alternative vision for freedom from digital feudalism
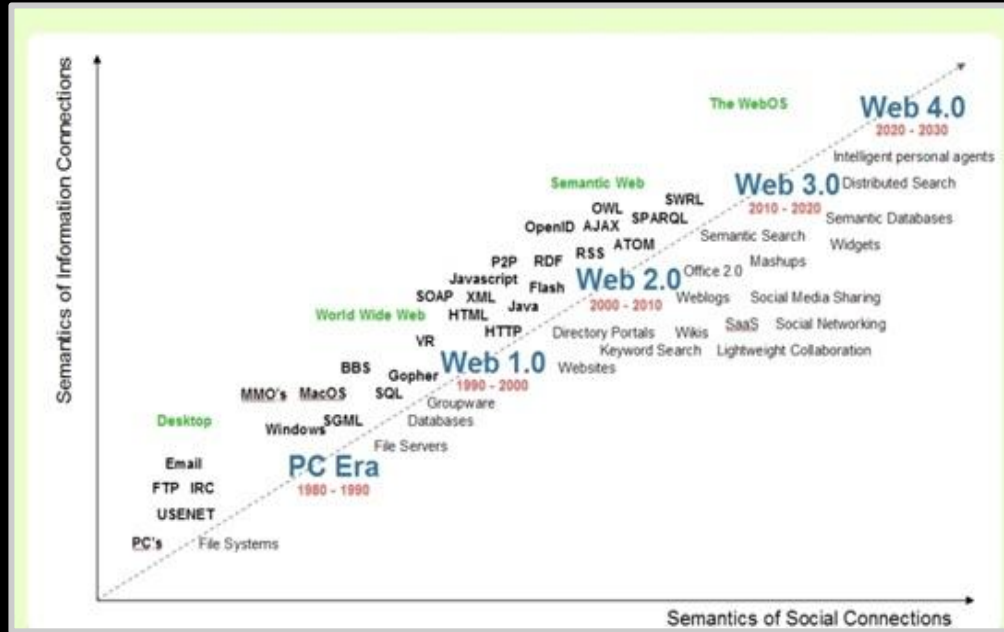
Simanovsky Sergey

Got web 3.0?

The development of what once upon a time was just a mere search via a centralized server that connected a network of peers, to highly efficient, decentralized networks and on-line storage facilities, with motivated nodes, that are cooperating with each other in a coordinated manner with the help of code.

Their direct (no third party involved) coordination and cooperation between each other, a direct and obvious motivation of the user and the node, the coordination of actions with the help of smart contracts and the safe routing of packets and data, etc.

The progress of semantics

That's not normal…

- 23% of the internet is free (Freedom house)
- 47% of world population have some social media blocked (Internet trends)
- 42% of world population have internet cuts due to political reasons (Internet trends)
- Russia, China, USA, Germany, Kazakhstan, New Zealand, Australia, UK, Iran… and many more countries have some kind of internet restriction laws
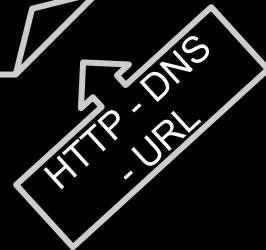
Who owns the int.. you?

Dante's worst nightmare

- Centralized top level domains
- No interest of solving security
- Data reselling
- Few beneficiaries
- Uncontrolled data loss

HTTP - DNS - URL

That's not normal...

Name, sex, date of birth, profession, education, interests, preferences, what makes you angry, what makes you happy, when you watch movies, what you like, your heart beat rate, your location, your phone book, your texts and messages, your work and home address, your day schedule, where you rest, what you search for, what websites you visit, what you did in the past days \ months \ years, what you have in your apartment, where and what food you buy, what you buy in general, what you hate, who you talk to and when, who are your relatives and what do they do, your psychological profile, your voice, your friends, what you see before you, what makes you tick, your "secret" searches...

The Great Web

- Offline browsing
- Local data cashing / trusted storage
- Local servers
- Reputation and efficiency
- Token Curated Registries
- Cyber registries
- Miners and service providers
- IPFS
- Indexation and Ranking
- Decentralization
- Consensus mechanisms

Cyber... don't google

- IPFS hashes
- Cyberlinks =! Hyperlinks
- Distributed Knowledge graphs
- Relevance machine
- Bandwidth
- cyber~Rank
- Consensus
- Computation and resources
- Subculture
- No blackbox intermediaries
- Sybil resistance
- Why search / linking are important

Change the basics first...

What	Google	Cyber
Is	Company	Protocol
Protocol Stack	Web2	Web3
Code	Closed	Open
Consensus	USA law	Tendermint
Knowledge	Private	Public
Entity	Inc.	DAO
Beneficiaries	Limited set of stakeholders	Any web3 agents
Addressing	URLs	CIDs
Ranking	Blackbox	Sybil resistant
Knowledge Graph Proofs	No	Cyberlinks and Ranks
Offline and Interplanetary	No	Yes
Cross Search Engine Communication	Impossible	IKP through IBC
Smart Contracts	Impossible	Not implemented
Security	No evidence	Cryptographic proofs
Privacy	Impossible	Possible, ZKVM
Censorship	Yes	No
Captcha	Yes	No
Ads beneficiary	Google	Creator
Apps	Limited	Unlimited
Robots/IoT	Limited	Unlimited
Data Distribution	Private servers	IPFS
Data Hosting Rewards	Impossible	Possible, PoRep
Superintelligence	Non-Provable	Provable
Browser	Chrome	Cyb

QUESTIONS... https://github.com/cybercongress