Let's Fix the Internet

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State of the network

History of the internet

- Internet was built on trust
- Can't keep rogue actors out
- SPAM
- DOS attacks
- Cookies are bad
- EU made laws against cookies
IoT made it worse

- IoT devices are hopelessly insecure
  -> Block IoT Devices from the internet

IoT Challenges

1. Security and Safety
2. Embedded and Real-time
3. Distributed and Decentralized
4. Main Stream Programming
5. User Content Monetization

Smartweb Powered by Blockchain
so how do we get out of this mess?

put User Identification first

create an OS that allows apps to be built on a Users First paradigm.
Elastos

1. complete set of C/C++ APIs and frameworks
   -> rewrote the complete android framework and runtime in C++
2. a distributed OS runtime with end-to-end security across a P2P network
3. Elastos runtime, designed for containers/virtual-machines
4. Blockchains for authentication
Elastos prevents apps from making their own network connections.

Connections are opened after User IDs have been verified.

-> prevents spam, DOS attacks, worms and viruses.
Elastos History

- Started in 2000 to build a smartphone OS
- Restart in 2012 adding IoT focus
  -> $30mil funding by Foxcon
Elastos 2015

Elastos on Banana Pi
Elastos Smart-Router

Elastos 2016

Elastos Smart-Phone
XT1085
Elastos on Raspberry Pi 3
2017
  • Start blockchain development
  • 4K Bitcoins funding

2018
  • (January) ICO (2.5K Bitcoins)
References

The internet is broken. Starting from scratch, here's how I'd fix it

Why HTTP/2.0 does not seem interesting

The future is a decentralized internet
- https://techcrunch.com/2017/01/08/the-future-is-a-decentralized-internet/

Elastos Executive Summary
- https://www.linkedin.com/pulse/elastos-executive-summary-rong-chen

Elastos Source Code on GitHub.com and Elastos.org
come to the Blockchain BoF at 14:00

Blockchain Devroom at HongKong Open Source Conference in June 2018
Martin Bähr

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- Webdevelopment for Educational Institutions that grow with your School
- http://realss.com/
videos of this talk

devconf.cz
- https://www.youtube.com/watch?v=-ZTXYwFTxrQ

luga.at (german)
(video and slides will be posted soon)