Emerging technology for connectivity

Accelerating digital transformation in LDCs, LLDCs and SIDS



Breaking Brainchains

The Rise of the SLOW Network Pindar.Wong@gmail.com

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The Spotlight Keynote



Thinking Bigger Thoughts

Dreaming Bigger Dreams



New IP / QUIC Protocols

Internet The Great Disruptor

Internet being Disrupted?



Brainchain' \bran chān\ noun

A series of assumptions that invisibly limits, confines or restricts the *freedom* of your thinking

Breaking Brainchains





'Tension' Domiriel CC-BY-NC 2012



LDCs LLDCs SIDs

?



Poll: What's in a Name

- 1) LDCs
- 2) LLDCs
- 3) SIDs
- 4) None of the Above



'Small' 'Least'

'Island' 'Landlocked'



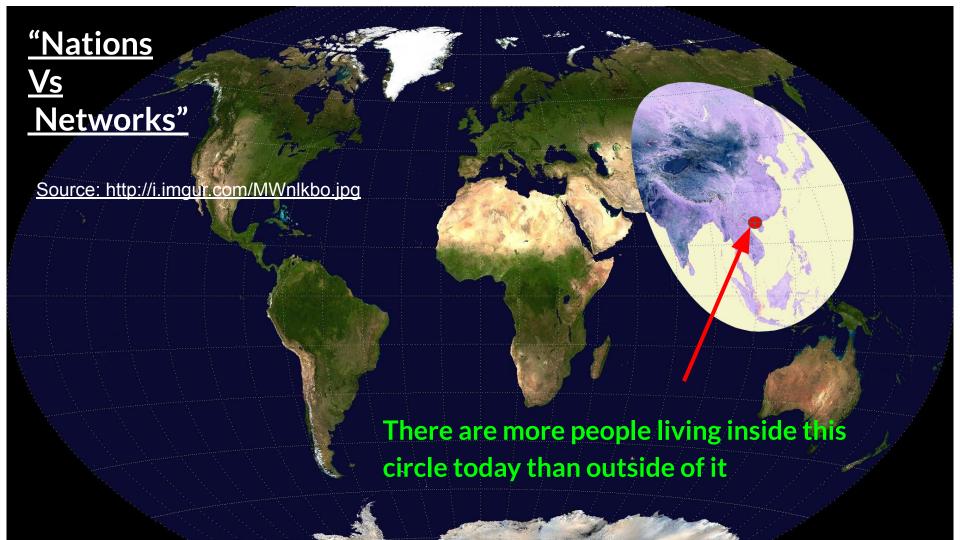
'Smail Least'

Island Landiceked



COVID-19

Divide and Conquer





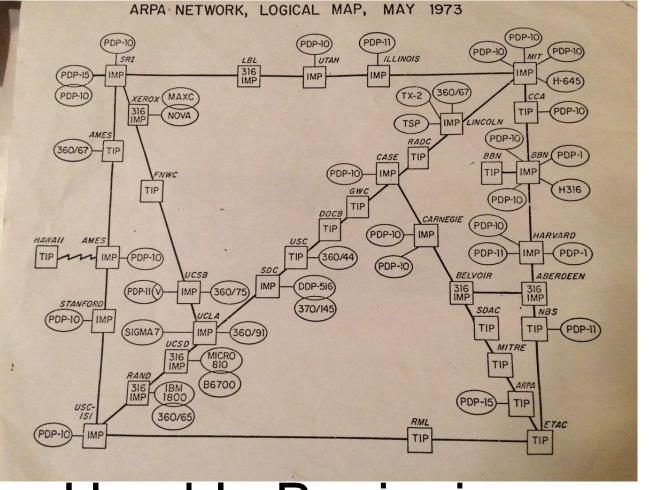
Work From Home

Connect and Liberate



Rise of the Stupid Network

Example I



Humble Beginnings

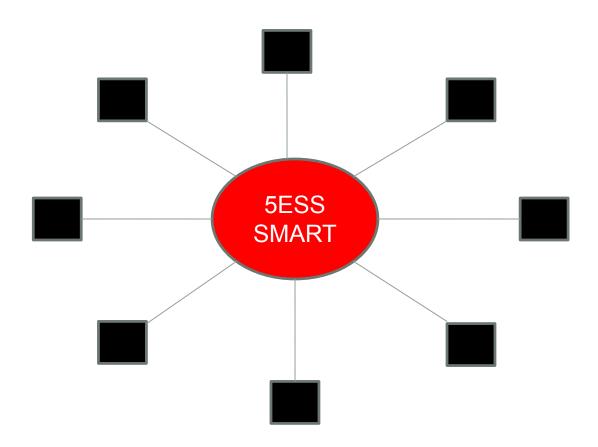


David Isenberg

https://isen.com/stupid.html

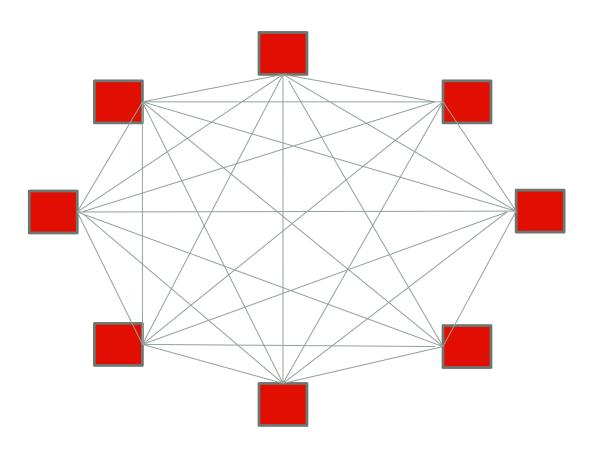
The Smart Network





The Dumb Network







Internet - Permissionless Innovation

Disruptive Innovation



The Internet: Global Not International?



The Internet: Global Not International?

Change in Worldview-?



Westphalia (1648) - Space

Routeview - Time



But

You can't divorce your Neighbour

Everyone's your Neighbour



But ... Paul Vixie ;)

Everywhere

Potentially a Bad Neighbour



Geoff Huston's IPJ OpEd

https://ipj.dreamhosters.com/wp-content/uploads/2021/03/241-ipj-1.pdf



The Internet is Rotting

https://www.theatlantic.com/technology/archive/2021/06/the-internet-is-a-collective-hallucination/619320/



Social is Sticky

Surveillance Networking

Rough Justice and Running Code?



Law and Order

Laws have Borders



Rise of the SLOW Network

Example II



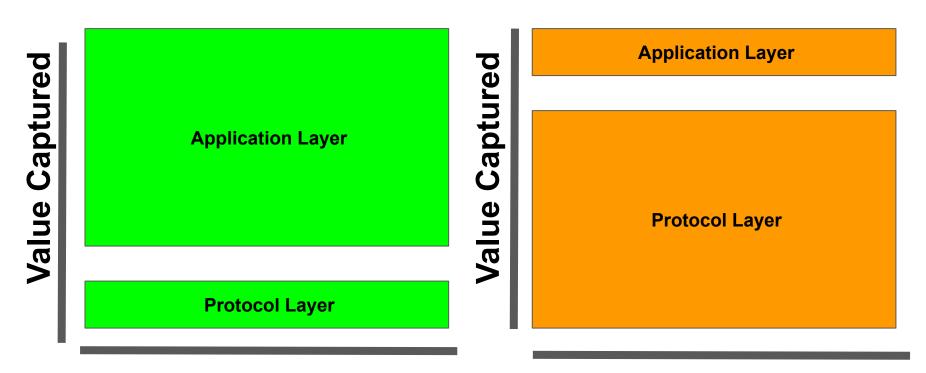


Bitcoin - Permissionless Monetization

Disruptive Innovation



Blockchain - Incentive Engines



Source: Union Square Ventures 'Fat Protocols':

http://www.usv.com/blog/fat-protocols





Payment = Receipt

Transfer Not Copy

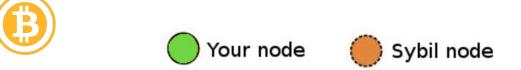
Don't Trust Verify



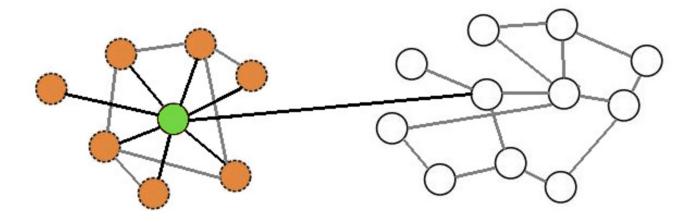
broadcast

f(cryptographic key)



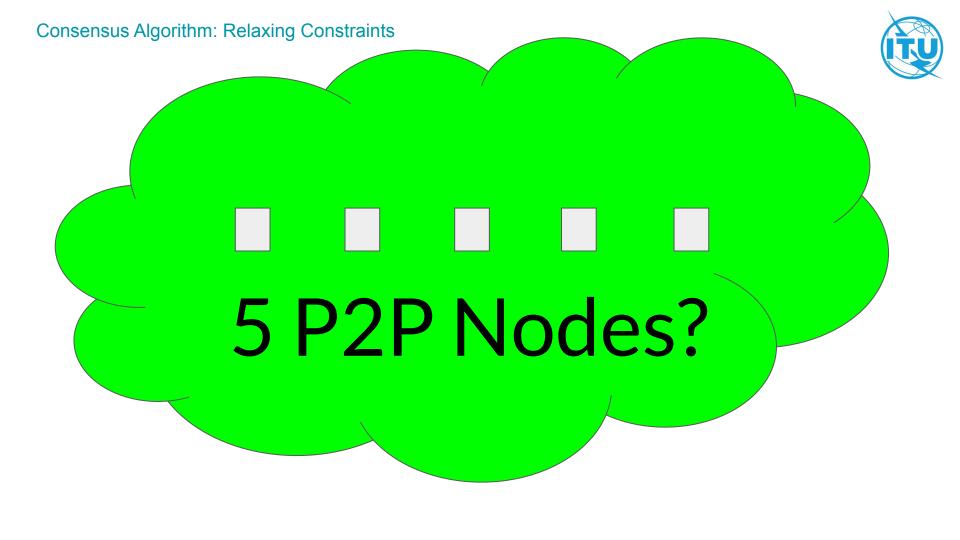


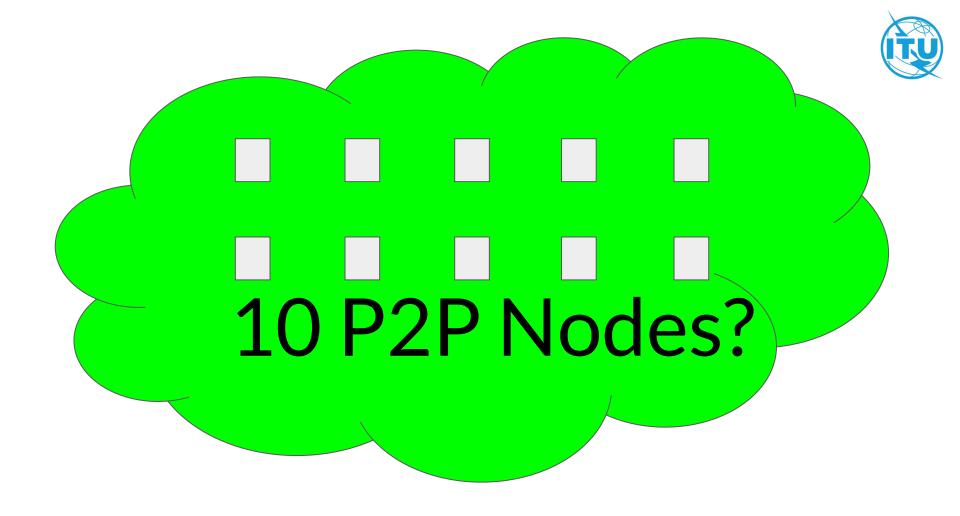


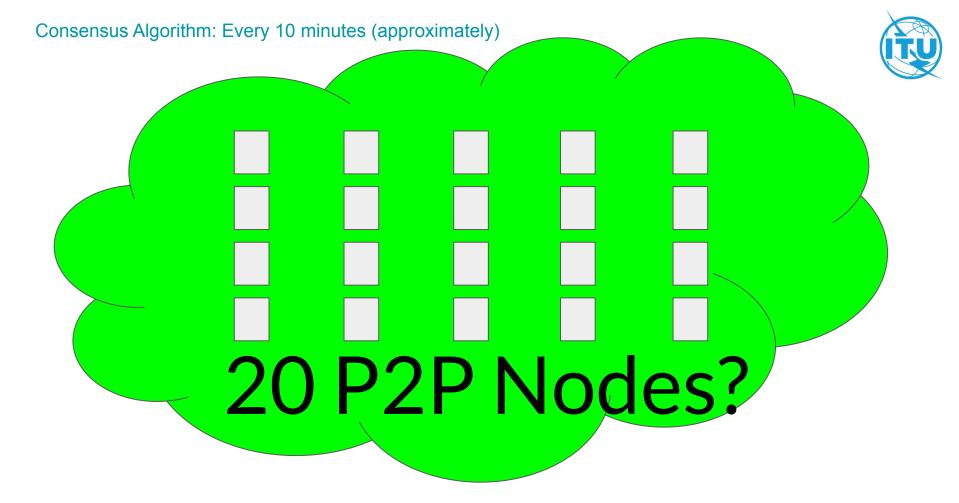


) Honest node

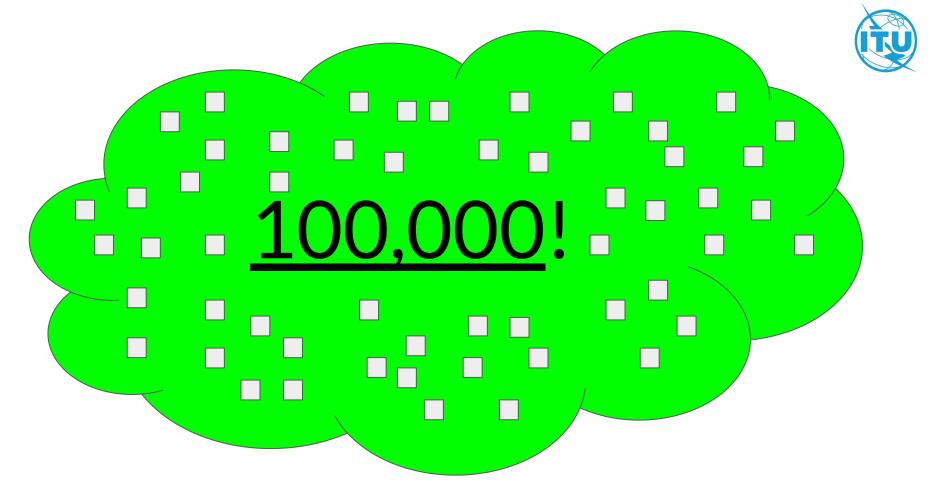
Jameson Lopp (@lopp) | Published on November 13, 2016 http://www.coindesk.com/bitcoins-security-model-deep-dive/







Noting: Fisher, Lynch and Paterson FLP 'Impossibility Result'



Noting: Fisher, Lynch and Paterson FLP 'Impossibility Result'



Your Keys

Your Rules

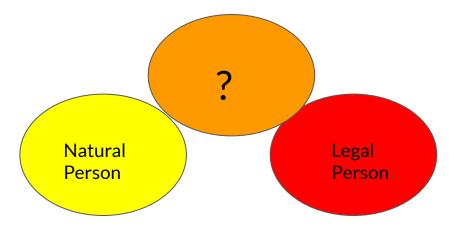
The DNS?



Legal Identifier

Natural Person

Legal Person Cryptographic Identifier





The Big Identifier Change?

Decentralized Identifiers (DIDs)



Brainchain 1: IDD + Accounting Rate Settlement

Distance = Cost

The Internet Disruption ...



Distance = Cost





Centralized = Trusted





The Bitcoin Disruption ... Perimeter Thinking is Dead

Centralized = Trusted



Brainchain 3: Money The Measure of Development

Time = Money





The Bitcoin Blockchain Disruption

Data = Money*

*1 btc = SWF 32,000 today approx



Bigger != Better

Developed/Industrialized/High-Income?



No one is above the Law

No nation is below mathematics



Thank you!:)

Questions!