

How to Win the Future

An Agenda for the Third Generation of the Internet

October 2021

Overview

A Crisis in America's Technology Leadership

Staying still means falling behind and failing the American people The Promise of a Better Internet

Why policymakers should embrace the potential of web3

How to Win the Future

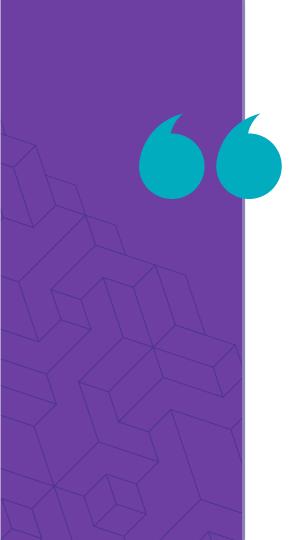
An agenda for policymakers

About Andreessen
Horowitz

Backing bold entrepreneurs who are building web3 companies and protocols

A Crisis in America's Technology Leadership

Staying still means falling behind and failing the American people



When the producers of HBO's "Westworld" wanted to portray the American city of the future, they didn't film in Seattle or Los Angeles or Austin — they went to Singapore. We should have gleaming skyscrapers and spectacular living environments in all our best cities at levels way beyond what we have now; where are they?

Marc Andreessen



We are forced to keep running merely to keep still.

Siddhartha Mukherjee

The World Has Two Tech Paradigms; Both Are Flawed

In the long run, digital authoritarianism and big tech are both incompatible with a healthy open society



Digital Authoritarianism



Big Tech

The Corrosion of the Internet

This is not about evil corporations; our incentives and infrastructure are broken



Tuesday's Internet Outage Was Caused By One Customer Changing A Setting, Fastly Says



Right or Left, You Should Be Worried About Big Tech Censorship



Cloudflare CEO says his Daily Stormer takedown was "arbitrary" and "dangerous"

"I woke up this morning in a bad mood and decided to kick them off the Internet."

The Atlantic

The Internet Is Rotting

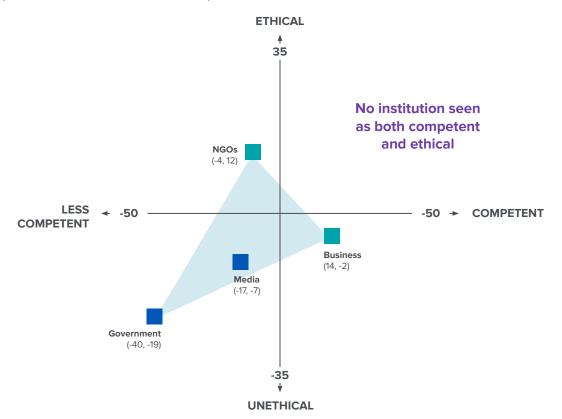
Too much has been lost already. The glue that holds humanity's knowledge together is coming undone.

Trust and Faith in Institutions is Declining

Many of the core institutions that power our economy and society are struggling

Dimensions of trust

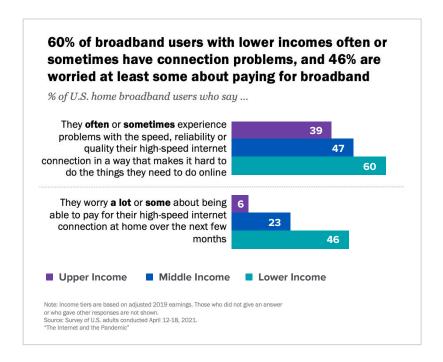
(Competence score, net ethical score)

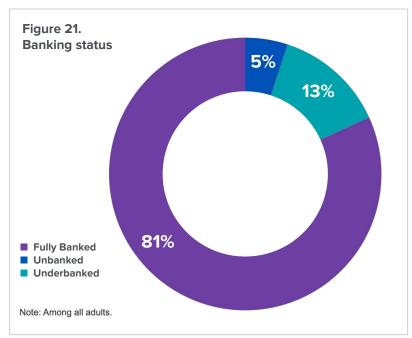


Source: Edelman

Average Americans are Being Left Out

We must do more to promote equity and opportunity in the digital economy





Source: Pew Research Center: Federal Reserve

For Better and Worse, Policymaking Amplifies the Impact of Innovation

1997: The Clinton Administration proposes a set of principles for the internet



The Framework for Global Electronic Commerce

The private sector should lead.

Governments should avoid undue restrictions on electronic commerce.

Where governmental involvement is needed, its aim should be to support and enforce a predictable, minimalist, consistent and simple legal environment for commerce.

Governments should recognize the unique qualities of the Internet.

Electronic Commerce over the Internet should be facilitated on a global basis.

Source: Clinton White House Archive

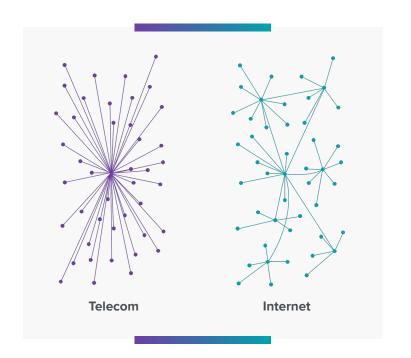
The Promise of a Better Internet

Why policymakers should embrace the potential of web3

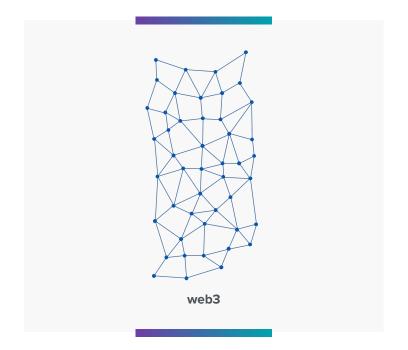


web3 Can Be a Fresh Start

web3 makes systems that are stronger and more equitable







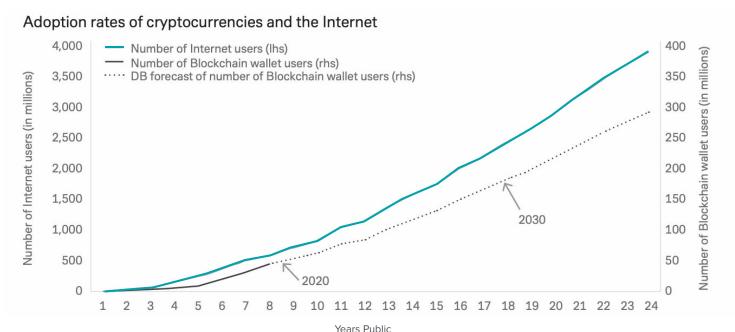
Single points of failure and control

Resilient and participatory

Source: RAND

Now is the Time to Set a Policy Agenda

When compared to internet adoption, today is our 1997 moment to set the agenda for how the next 20 years will play out

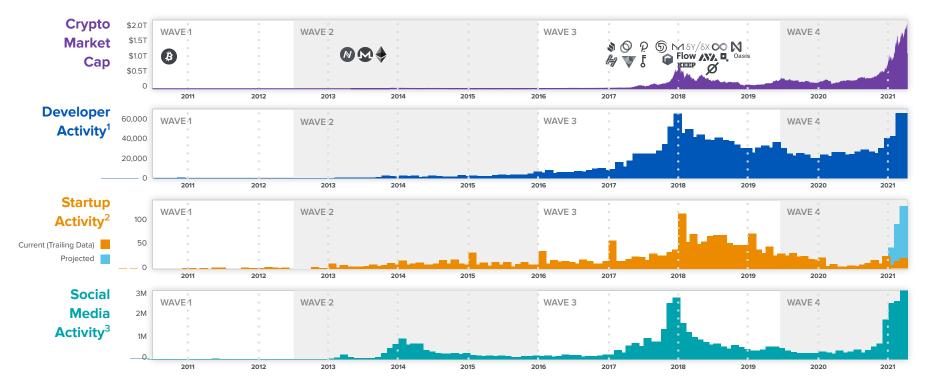


Source: Deutsche Bank

(Year 1 for the internet is 1991 and for blockchain it is 2011)

Now is the Time to Set a Policy Agenda

web3 adoption is escalating rapidly

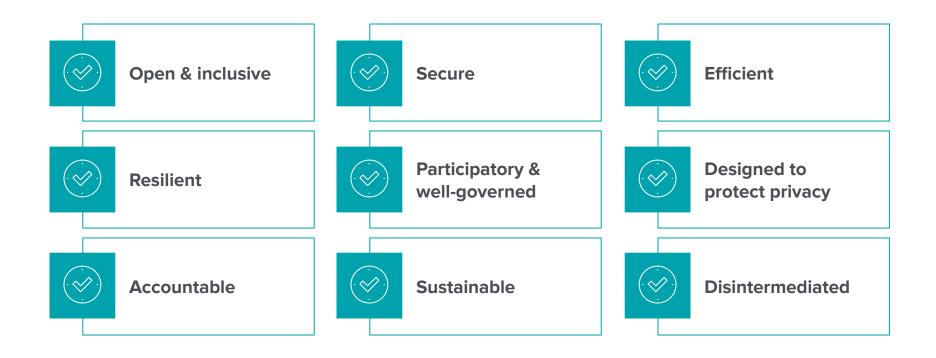


Charts provided herein are for informational purposes only and should not be relied upon when making any investment decision. Past performance is not indicative of future results.

Developer activity based on crypto stars on GitHub. Startup activity based on crypto first rounds funding via Pitchbook. Social media activity based on comments on crypto-related subreddits.

What Do We Want From the Next Generation of the Internet?

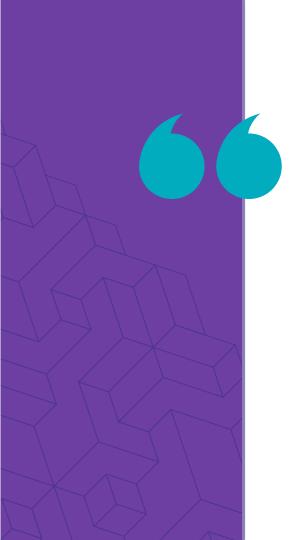
We can and should establish an affirmative vision for the role of technology in society



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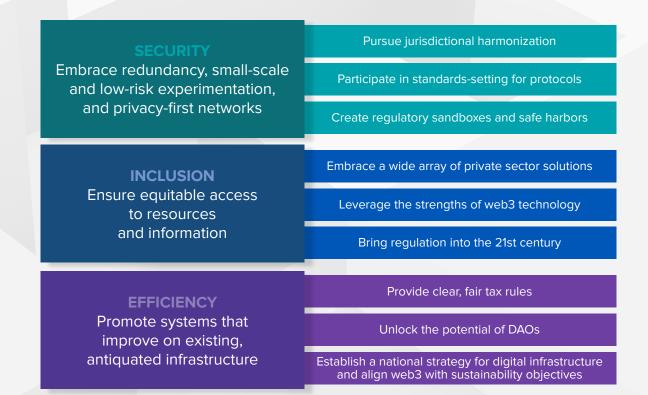
Whereas most technologies tend to automate workers on the periphery doing menial tasks, blockchains automate away the center.

Vitalik Buterin

Moving from an Aspirational to Operational Policy Agenda

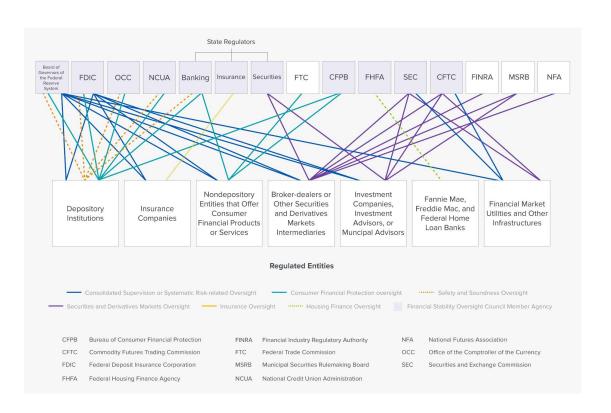
Resilient	SECURITY Embrace redundancy, small-scale and low-risk experimentation, and privacy-first networks
Secure	
Equipped to protect privacy	
Participatory and well-governed	INCLUSION Ensure equitable access to resources and information
Open and inclusive	
Accountable	
Disintermediated	EFFICIENCY Promote systems that improve on existing, antiquated infrastructure
Efficient	
Sustainable	

Moving from an Aspirational to Operational Policy Agenda



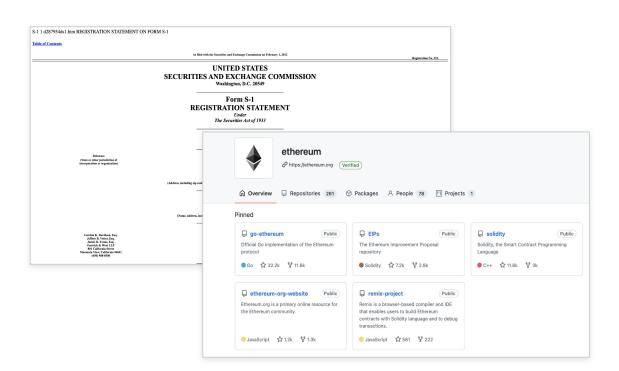
Example #1:

Pursue Jurisdictional Harmonization

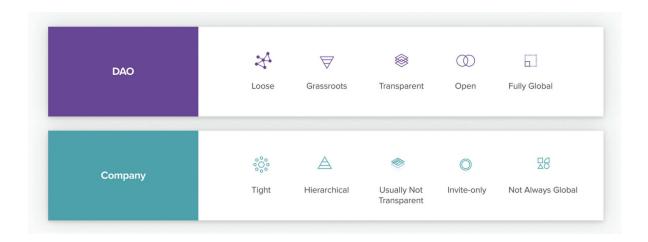


Source: Government Accountability Office

Bring Regulatory Regimes into the 21st Century



Example #3: Unlock the Potential of DAOs



Source: Aragon

Andreessen Horowitz

Backing the bold entrepreneurs building web3

About Andreessen Horowitz (a16z)

We are radically optimistic about the potential of web3 to restore trust and enable new kinds of cooperation and governance. We believe these tools can help communities break through the stalemates that define too many aspects of public life and make collective decisions, including about critical issues such as how networks will evolve, what behaviors are permitted online, and how economic benefits are distributed.

Our team includes former officials drawn from across government. As the largest investor in the space, we know web3 — but we also understand public service. We see the potential of web3 as a force for good, and we are eager to work with policymakers to define a vision for how to use these powerful new tools to benefit society and ensure they realize their full potential.

Who We Are



Katie Haun



Chris Dixon



Ben Horowitz



Ali Yahya



Arianna Simpson



Anthony Albanese



Tomicah Tillemann



Miles Jennings



Jai Ramaswamy



James Rathmell



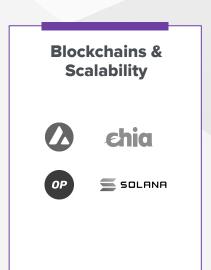
Bill Hinman

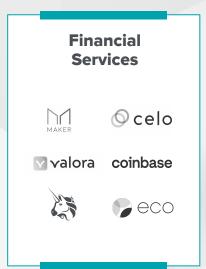


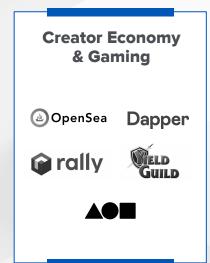
Brian Quintenz

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We Invest in the Leading Projects Across the Industry

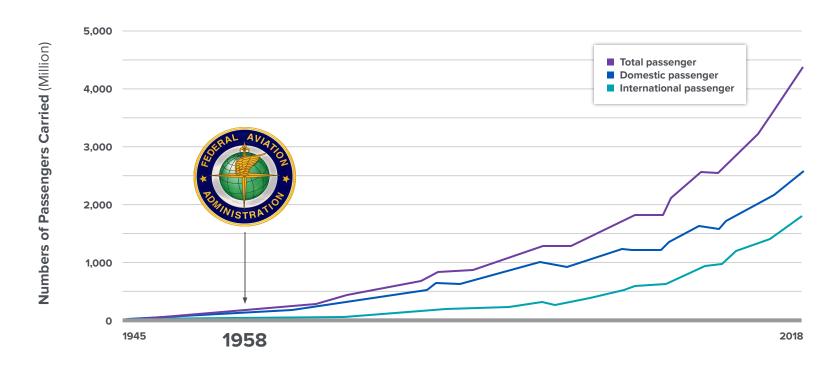






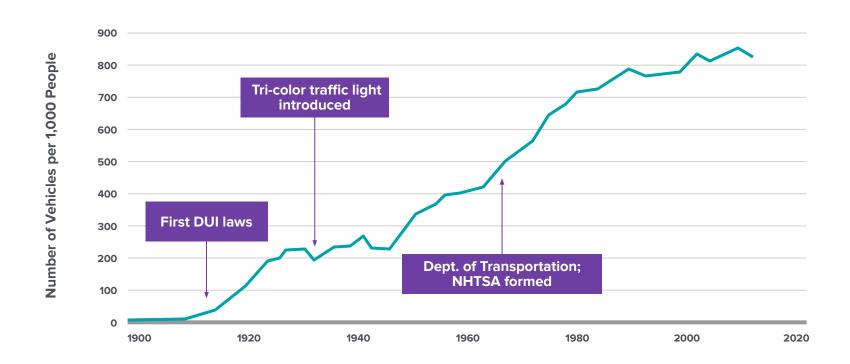


World Passenger Traffic Evolution: 1945-2018



Source: World Economic Forum

Vehicles per 1,000 People in the U.S.: 1900-2013

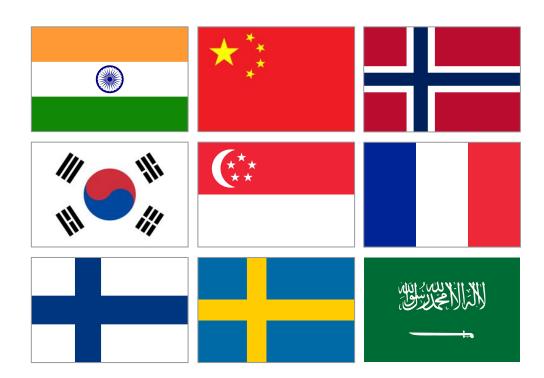


Source: Mercatus

Countries With Serious Digital Infrastructure Strategies

Establishing a strategy is the only way to secure our role as a financial and technological leader





Source: World Economic Forum (2016); World Economic Forum (2020)



Appendix: Case Studies

Building tomorrow's infrastructure & economy

The People's Network

Digital infrastructure





The Permaweb

Digital infrastructure



TOP NEWS JUNE 23, 2021 / 11:31 PM / UPDATED 3 MONTHS AGO

Hong Kong's Apple Daily to live on in blockchain, free of censors

Fearing the security law could bring elements of China's great firewall to Hong Kong, limiting access to dissenting views, 21-year-old Ho - who works in tech and did not give his first name because of the sensitivity of the matter - began this week to upload Apple Daily articles on decentralised file storage platform ARWeave.



Play-to-Earn

Economic opportunity





Source: YouTube

The Creator Economy

Economic opportunity



"I was the first NFT portrait photographer ever on the blockchain," the 28-year-old says. "I was like, 'I'm putting my art on the blockchain because this is a tool," since it allows artists to tokenize, own and profit from their pieces. "Why wouldn't any artists want to be on this?" Aversano asks.

OpenSea

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