

Arweave + Internet Archive: Building a verifiable record of history

 The Arweave Project · [Follow](#)
2 min read · Jul 14, 2020

 287    



Today we are excited to share a new Arweave initiative supporting the vital work of the [Internet Archive](#), the non-profit organisation behind the famous [Wayback Machine](#) project. We are utilising the unique features of the Arweave network to ensure cryptographically verifiable and fault tolerant access to the Internet Archive’s data.

Information integrity is one of the most important aspects of archiving. It is essential that historians are able to trust that the data held within an archive has not been modified (either maliciously or by accident) during the time in which it has been stored. Typically, historians look to cross-validate sources found in archives, as well as investigate the archive’s history and reputation to ensure that the information remains unchanged.

The Arweave network provides a fundamental leap forward for trust in archiving. By using mathematics, cryptography, and distributed systems, the Arweave network is able to provide verifiable timestamps for the data held in the network.

To make Medium work, we log user data. By using Medium, you agree to our [Privacy Policy](#), including cookie policy.

collections onto the Arweave network. Although the archive data itself is not stored on the Arweave network (yet), these torrents enable distributed (but not decentralised) access to the information held in the Internet Archive.

By combining the Arweave’s tamper-resistance and verifiability properties to storage of Internet Archive metadata (in the form of torrent files), we will allow future historians to ensure the archive’s records have not been tampered with over time.

To learn more about the partnership between Arweave and the Internet Archive, make sure to listen to this [Andreessen Horowitz Podcast interview](#) with Brewster Kahle and Sam Williams, and read [the recent coverage](#) from The Block.

If you would like to keep up to date with all the latest developments of the Arweave protocol and community, consider subscribing to our mailing list [here](#), or follow us [on Twitter](#).

See you on the permaweb!

-arweave-team

- Archive
- Blockchain
- Decentralization
- Data
- History



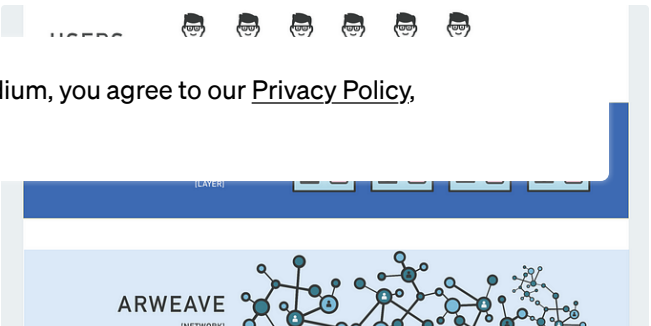
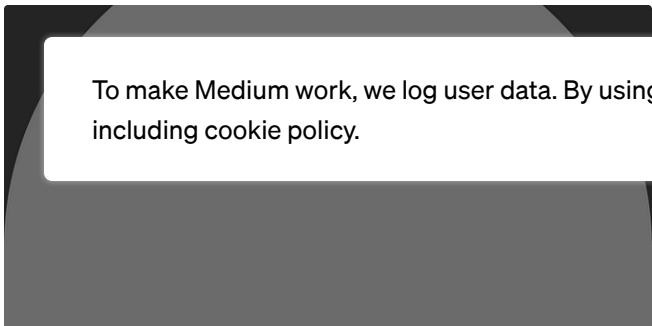
Written by The Arweave Project

3.2K Followers

A novel data storage blockchain protocol enabling a permanent serverless web and creating truly permanent data storage for the first time.

Follow

More from The Arweave Project



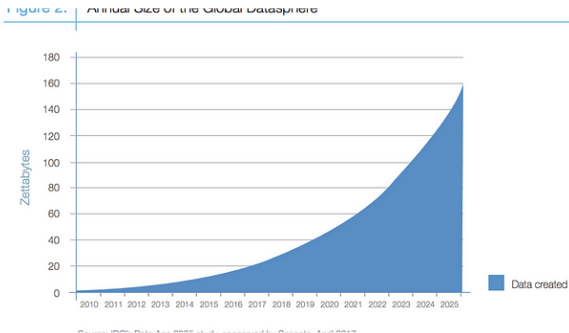
 The Arweave Project

Arweave is an Evolutionary Protocol

Today we're excited to present The Framework for Evolving Arweave, a model fo...

3 min read · Mar 2, 2023

 177  1 



 The Arweave Project

What is Arweave? Explain Like I'm Five

“Who controls the past controls the future: who controls the present controls the past.”

6 min read · Apr 26, 2018

 1.1K  3 

 The Arweave Project

Welcome to the Permaweb

Today we're happy to announce the official launch of the permaweb: an immutable,...

4 min read · Jan 29, 2019

 838  1 



 The Arweave Project

Building SILO: a truly private internet

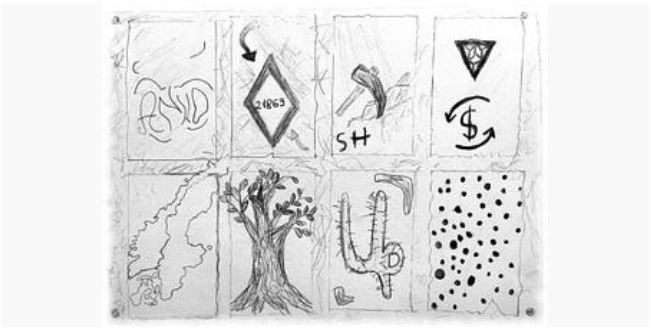
Today we're pleased to announce that we've teamed up with Loki to bring you SILO: a...

5 min read · Feb 21, 2019

 131  

See all from The Arweave Project

Recommended from Medium



 Permanent Data Solutions, Inc in ar.io

 Perma DAO

W To make Medium work, we log user data. By using Medium, you agree to our [Privacy Policy](#), including cookie policy.

He

l...

💡 Web3 is booming, and Arweave is becoming a popular infrastructure choice fo...

10 min read · Nov 16, 2023

5 min read · Dec 8, 2023

 22



 29



Lists



Tech & Tools

16 stories · 195 saves



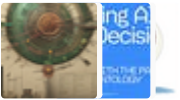
General Coding Knowledge

20 stories · 1078 saves



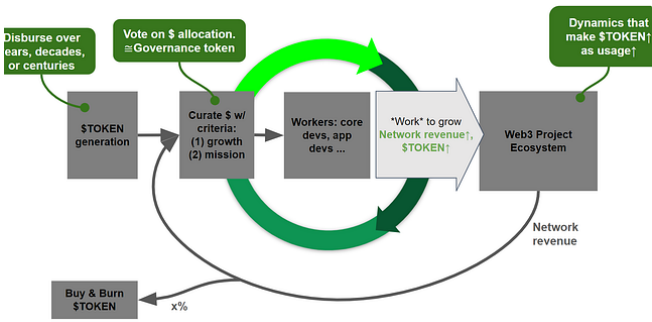
Staff Picks

612 stories · 878 saves



data science and AI

40 stories · 122 saves



 Trent McConaghy in Ocean Protocol

The Web3 Sustainability Loop

A system design for long-term growth of Web3 projects, with application to Ocean...

18 min read · Sep 1, 2020

 1K



3



 DeBio Network

Unleashing the Power of Decentralization in Medicine: A...

Throughout the annals of human civilization, the concept of decentralization has...

4 min read · Oct 20, 2023

 4



 Unbecoming

10 Seconds That Ended My 20 Year Marriage

It's August in Northern Virginia, hot and humid. I still haven't showered from my...

🌟 · 4 min read · Feb 16, 2022

 78K



1101



 Youth4Climate #Sparking Solutions

Green Poultry Farm Mozambique

Author: Vasco Cossa

6 min read · Jan 25, 2024

 1



See more recommendations

Hel To make Medium work, we log user data. By using Medium, you agree to our [Privacy Policy](#), including cookie policy.