

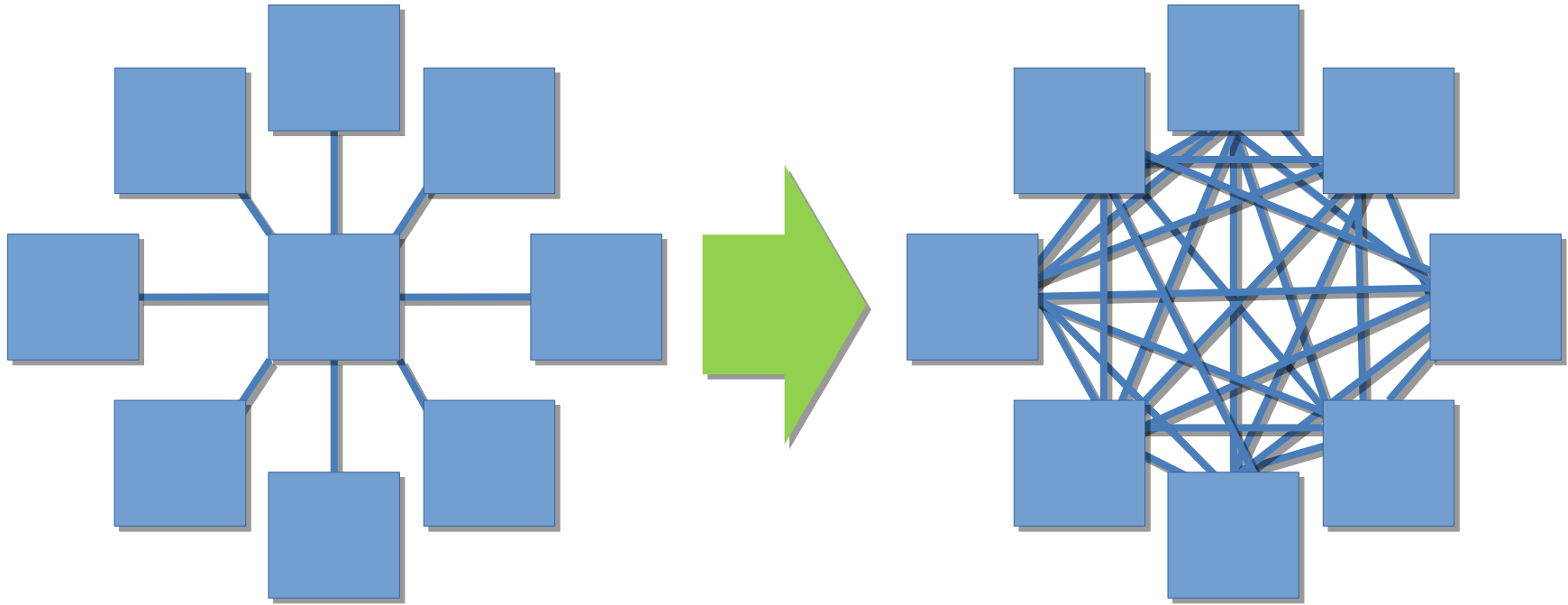
Distributed Computing

Neil Rae, BDUK

'The Network is the Computer'

John Gage
Sun Microsystems
1980s

Distributed Computing



Block Chain



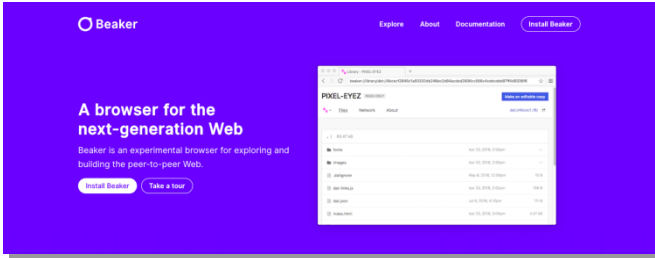
Distributed Ledger

Consensus

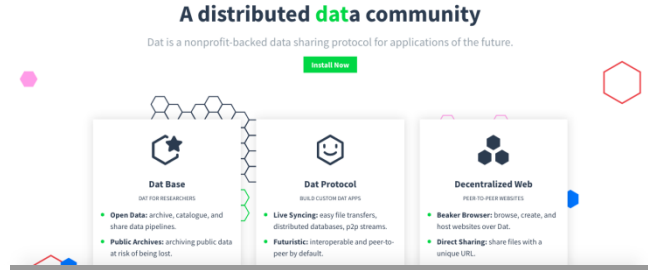
- Proof of Work
- Proof of Stake
- Voting
- Leader
- Economy Based
- Hashgraph (gossip about gossip)

Internet Distributed Networks

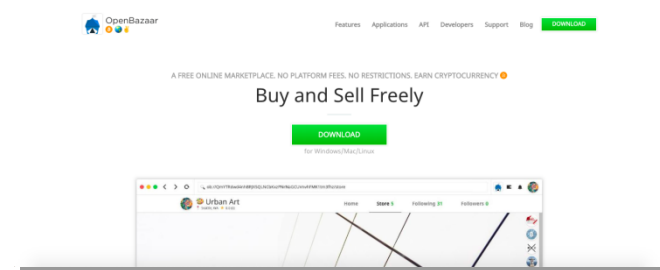
- Napster
- SETI
- BitTorrent
- TOR



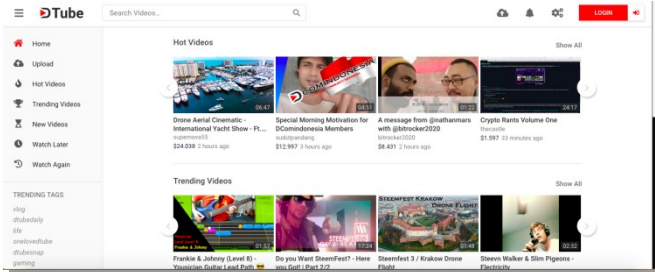
Beaker: Browser



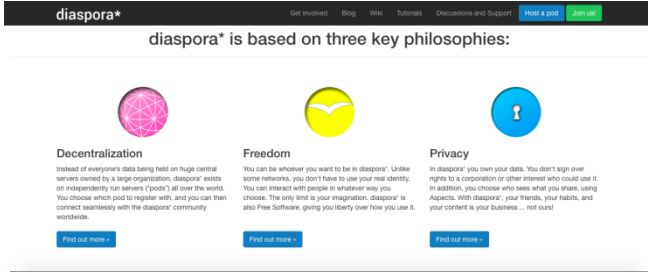
Dat: Protocol



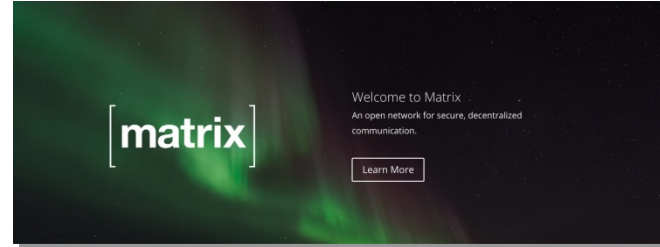
OpenBazaar: Market



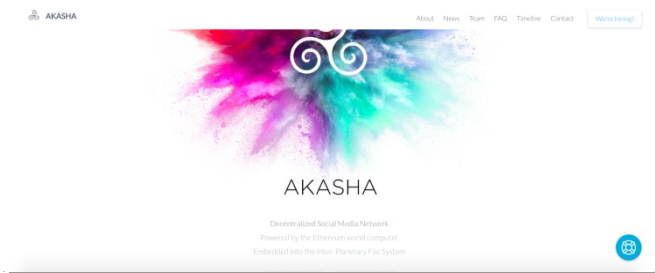
DTube: Video Sharing



Diaspora: Social Media



Matrix: Communications



Akasha: Computing

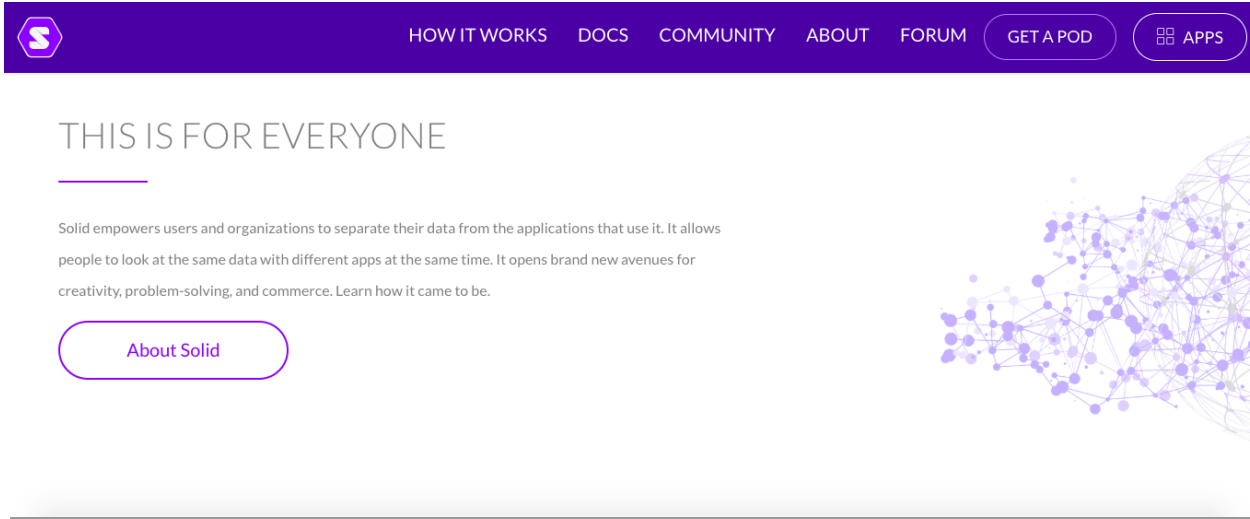


Interplanetary File System: Storage



Blockstack: Apps

Solid



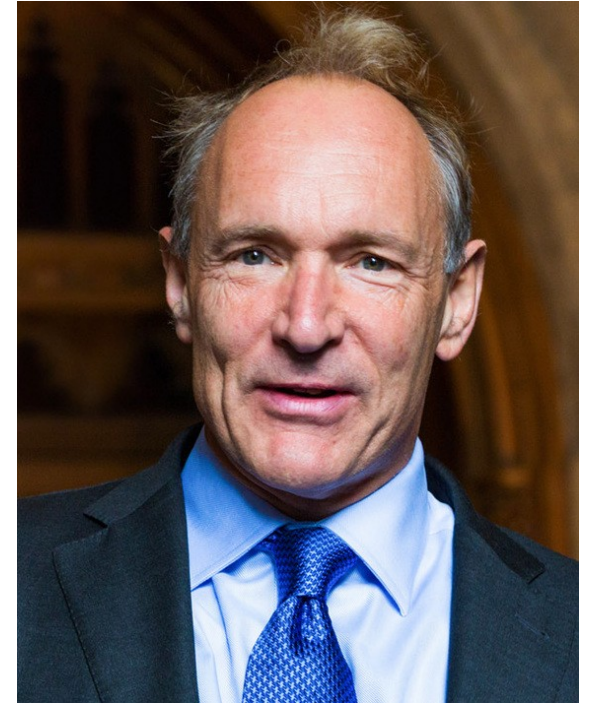
The screenshot shows the top portion of the Solid website. It features a dark purple navigation bar with a white 'S' logo on the left. The navigation menu includes links for 'HOW IT WORKS', 'DOCS', 'COMMUNITY', 'ABOUT', and 'FORUM'. Two buttons are present: 'GET A POD' and 'APPS'. Below the navigation bar, the main content area has a white background. The heading 'THIS IS FOR EVERYONE' is followed by a short paragraph explaining the concept of Solid. A purple button labeled 'About Solid' is positioned below the text. On the right side of the content area, there is a decorative graphic of a network of purple nodes and lines.

[S](#) [HOW IT WORKS](#) [DOCS](#) [COMMUNITY](#) [ABOUT](#) [FORUM](#) [GET A POD](#) [APPS](#)

THIS IS FOR EVERYONE

Solid empowers users and organizations to separate their data from the applications that use it. It allows people to look at the same data with different apps at the same time. It opens brand new avenues for creativity, problem-solving, and commerce. Learn how it came to be.

[About Solid](#)



Challenges

- User and developer adoption
- Security
- Monetization and incentives
- Resisting market consolidation

Summary