

CensorGuard

A Decentralized Solution for
Unstoppable Freedom of Speech



Presentation Intent

- Audience: **Content Creators** looking
- for a solution to censorship problem
- Present the concept and intent of our current efforts
- Look for collaboration opportunities
- Assistance in promoting products



Content Creator Needs

- Get content in front of audiences
- Keep it discoverable
- Create and grow audiences
- Monetize the content



Content Creator Pain

- Busy!
 - Time Pressure
 - Create the content
 - Get it posted to multiple locations
- Fragility – content could be deleted
- Inform viewers on all platforms of content
- Engagement with viewers across platforms
- Balance publicity with protection & anonymity



Beyond Mainstream Distribution (ContentSafe)



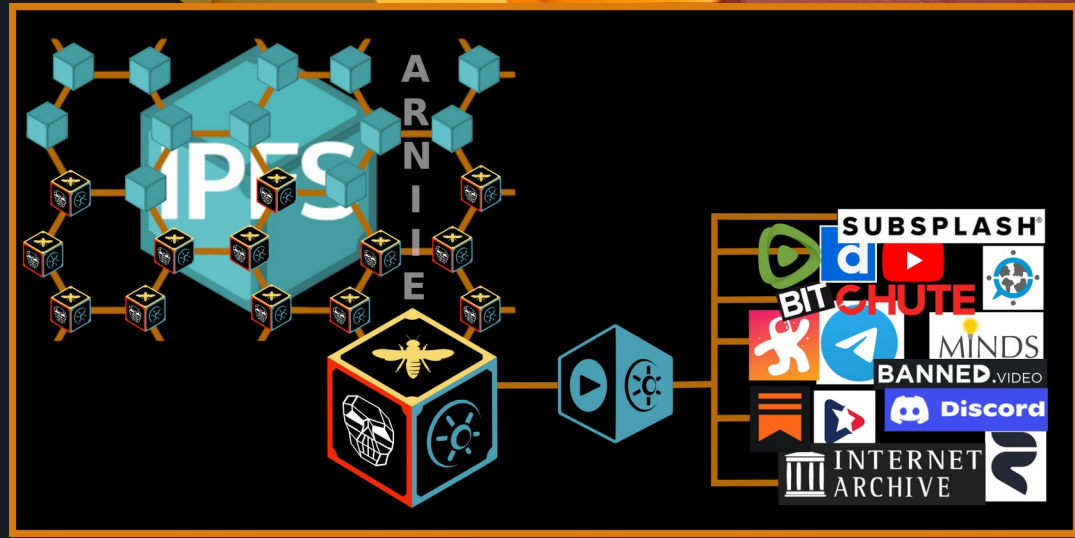
Objective: provide an integrated solution that:

- Enhances an existing censorship-resistant file sharing system
- Adds a community commons, makes content searchable
- Has no corporate ownership or control, no HQ to raid
- Private & secure

Larger Goals

- Prevent Library of Alexandria-type data loss
- Ensure that true conversations and arguments take place

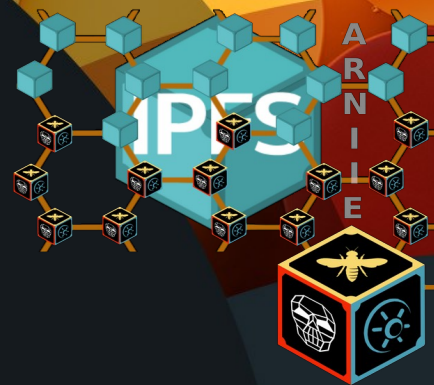
CensorGuard



- Easy posting to the Interplanetary File System (IPFS)
 - Packages content, description, thumbnail, etc.
- ContentSafe - provides parallel distribution to mainstream and alternative Web platforms
- ARNIIE orchestrates and manages data flow

Development Status

- CensorGuard / ARNIIE
 - Is a functional prototype
 - Build workflow integration
 - Set up for NAS hardware
 - Improve GUI / UX
- ContentSafe
 - Needs backend integration
 - Create dashboard / automation



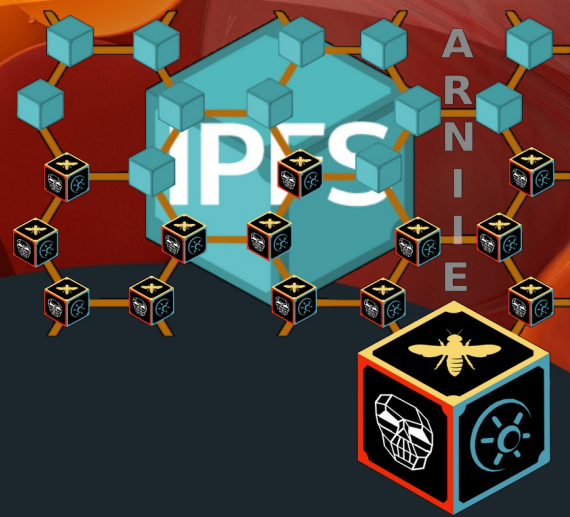
Core Functionality: IPFS



- Provides redundancy & reliable access
 - World wide network of machines share data
 - Like Bit Torrent on steroids
- Scalable performance without limits
 - Speed, reliability & redundancy increases with # of nodes
- Immune to “mainstream” web attacks/controls including DNS
- Increased viewing = faster distribution
 - Viewing nodes assist in serving the content
 - Node owner controls content kept in long-term storage
- Brave web browser has IPFS built-in (anti-cen.com/easily-access-ipfs-from-brave)
 - `ipfs://QmQ39mMx1V3kYmtW446UBSwws9Js1nZyZC5RZn6oc4xrJ7`

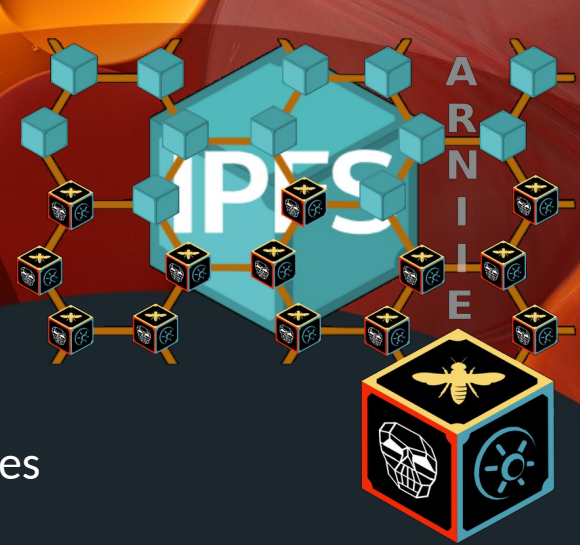
CensorGuard's ARNIIE Enhances IPFS

- Alexandria Rescue Network of Independent IPFS Engines
 - Layer built on and interoperable with IPFS
- Creates community commons
 - Yet, people choose what they will to pin/ propagate
- Nodes become discoverable, even through firewalls
 - Not corporate or centrally-owned / controlled
 - No HQ to raid
 - Difficult for central planners to regulate & censor
- Meritocracy via emergent order and free association
 - Regulated by individuals with self-interest



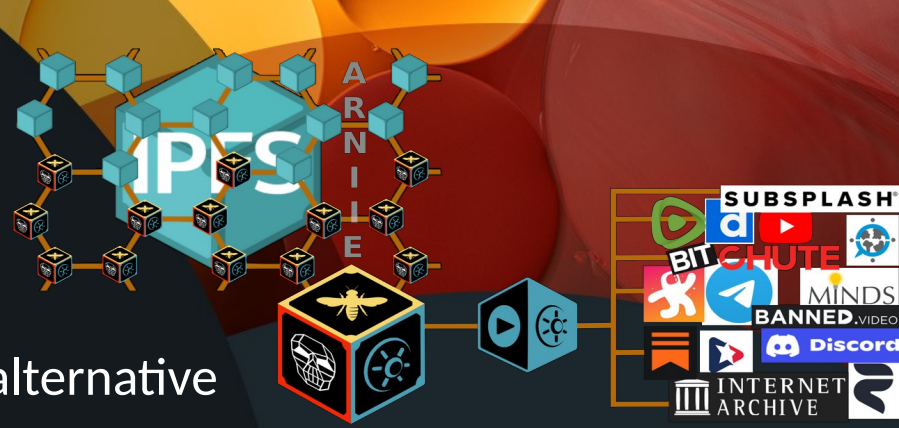
CensorGuard's ARNIIE Enhances IPFS (continued)

- Powerfully private & semi-anonymous
- Originating IP addresses are concealed
- Content packaged with thumbnails, descriptions, metadata files
- Future Enhancements
 - Self-sovereign identities
 - Content creator & commenter control of exposed comments
 - Private comments within private networks (a la “Dissenter”)
 - Reputation scores
 - Additional opportunities to monetize, including micropayments



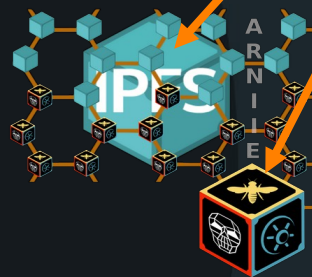
More CensorGuard Capabilities / Benefits

- Capable of running on or establishing alternative networks
 - Reticulum used for control channel: runs over LoRa, packet radio, etc.
 - I2P a possibility later
- Easily set up for network, workflows, customization
- Meet viewers *where they are*, while inviting them to look at a decentralized alternative network



Win/Win Proposition

- Anti-Censorship Technical Committee
 - *Curating, supporting, and financing projects focused on privacy, decentralization, and anti-censorship technologies, fostering a world unrestrained by digital suppression.*
 - Making things better for content creators and consumers
 - All kinds of consumers and creators benefit, not just our customers!
 - Maximum interoperability / compatibility
 - Subsidizes initial appliance & service
 - Seed content on our systems
 - Raises donations for further development of more solutions in this domain
 - Later raise with rewards of equipment
- In Return
 - Publicity and advocacy for our efforts
 - Bring some crowd for the crowdfunding



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