

CONSTELLATION PROVIDERS

*DECENTRALIZED STORAGE SUMMIT
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BORIS MANN

- 15 years ago, worked on building out the Drupal community, built the first commercial company around Drupal, helped form Drupal Association
- Last year, focused on Ethereum community, helping out with the Ethereum Magicians, Core Devs
- FISSION is building developer tools using decentralized web tech





LICENSING INNOVATION

- For the first time in 15 years, we're starting to see licensing innovation again
- Cloud providers vs. VC-funded open source
- Or: "Tragedy of the Commons" is still a thing



DATA ETHICS

- We are starting to see people care about data — specifically, THEIR data
- What requires software developers or companies to act in certain ways with data?
- From principles (Fair Data Society, Local First Software) to licenses (Cryptographic Autonomy License, Icepick)



SELF FUNDING SOFTWARE

- Currently we're still deep in the age of the ad-supported web
- We've had (and have) p2p systems which require network participation (e.g. Bittorrent ratios) — but that still hasn't funded the construction of the software clients
- Can we give app builders the tools to enable self funded software?
- Subscriptions, pay-per-use, credits for donating resources



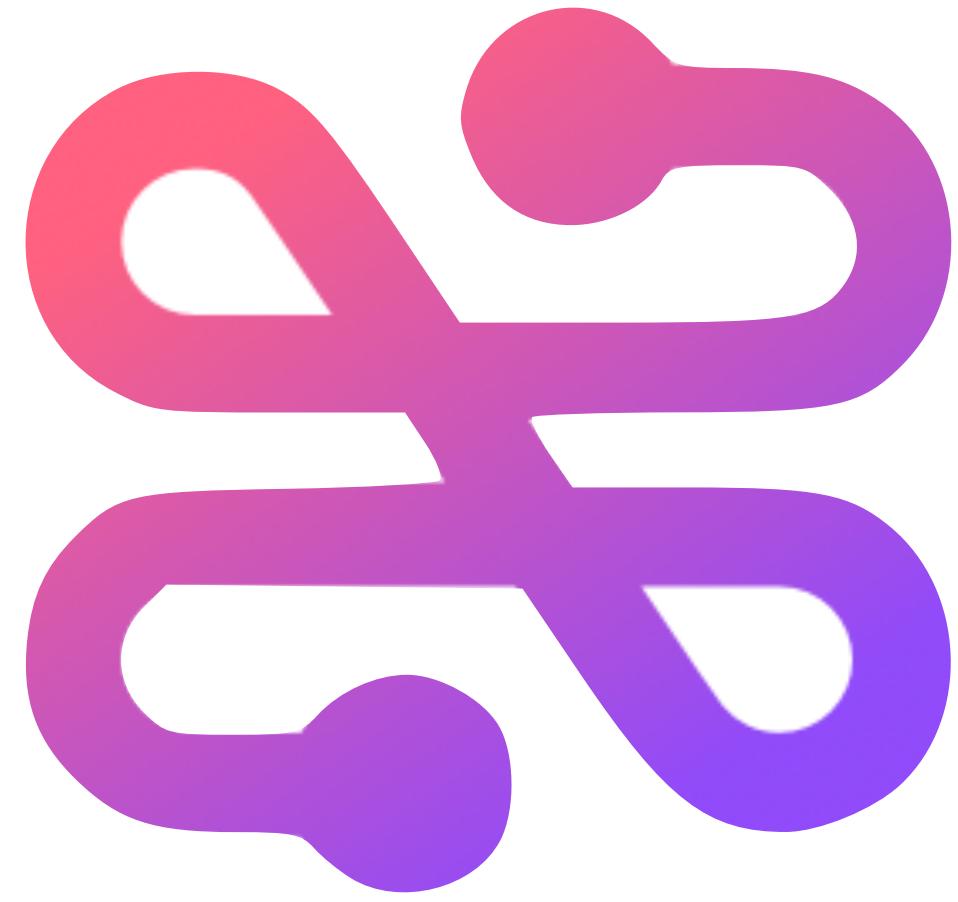
CONSTELLATION PROVIDERS

- Runs open source software for themselves and others “as a service”
- Connected to a network of other providers
- Users can bring their own providers for storage, compute, identity, etc.
- Relies on standards & compatible interfaces — and realistically, an evolution of app architecture & expectations



CONSTELLATION VS CLOUD PROVIDERS

- Cloud providers are the back end costs of a software system — they sell storage, compute & other services at a profit margin
- As we move from physical machines to containers to serverless, usage needs are more on-demand
- Constellation providers can have a different agreement with their users: they maintain software and services with resources as needed, but user can also bring their own resources
- Can constellation providers include users in their resource planning, as well as other constellation providers?



fission

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QUESTIONS!

@BMANN