



MARCH 2021 DEMO DAY

March 18th, 2021

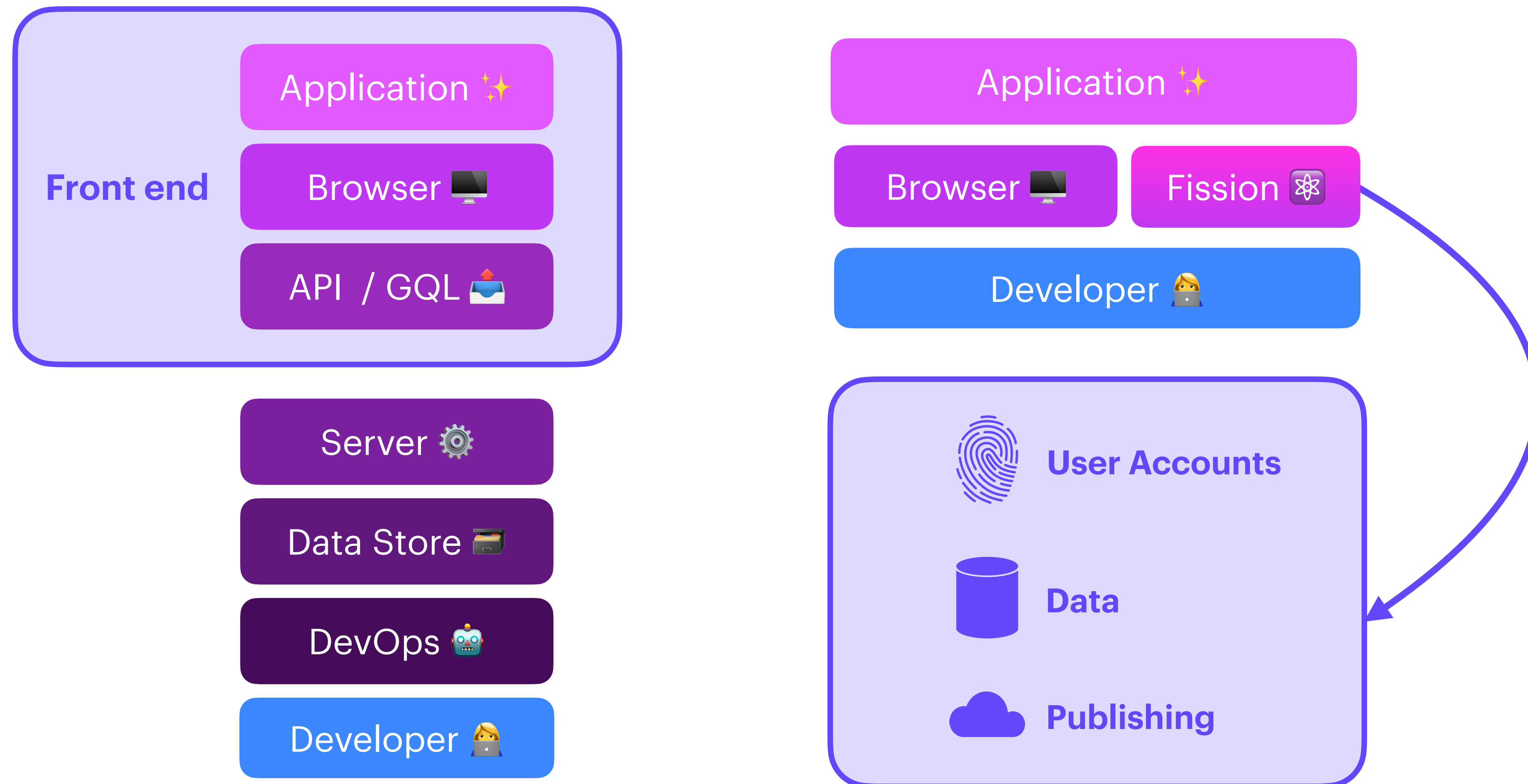


FISSION: NEXT GEN APP PUBLISHING

- Developers only need front end experience
- Webnative SDK: add user accounts, file & data storage, and more to your app
- Data is stored with user accounts, and end-to-end encrypted. Share data between all apps.
- Hosting included: SSL, YOURAPP.fission.app, Github Actions Publish
- Let's make publishing apps as easy as publishing a blog post: App Cloning, User personalization, and more

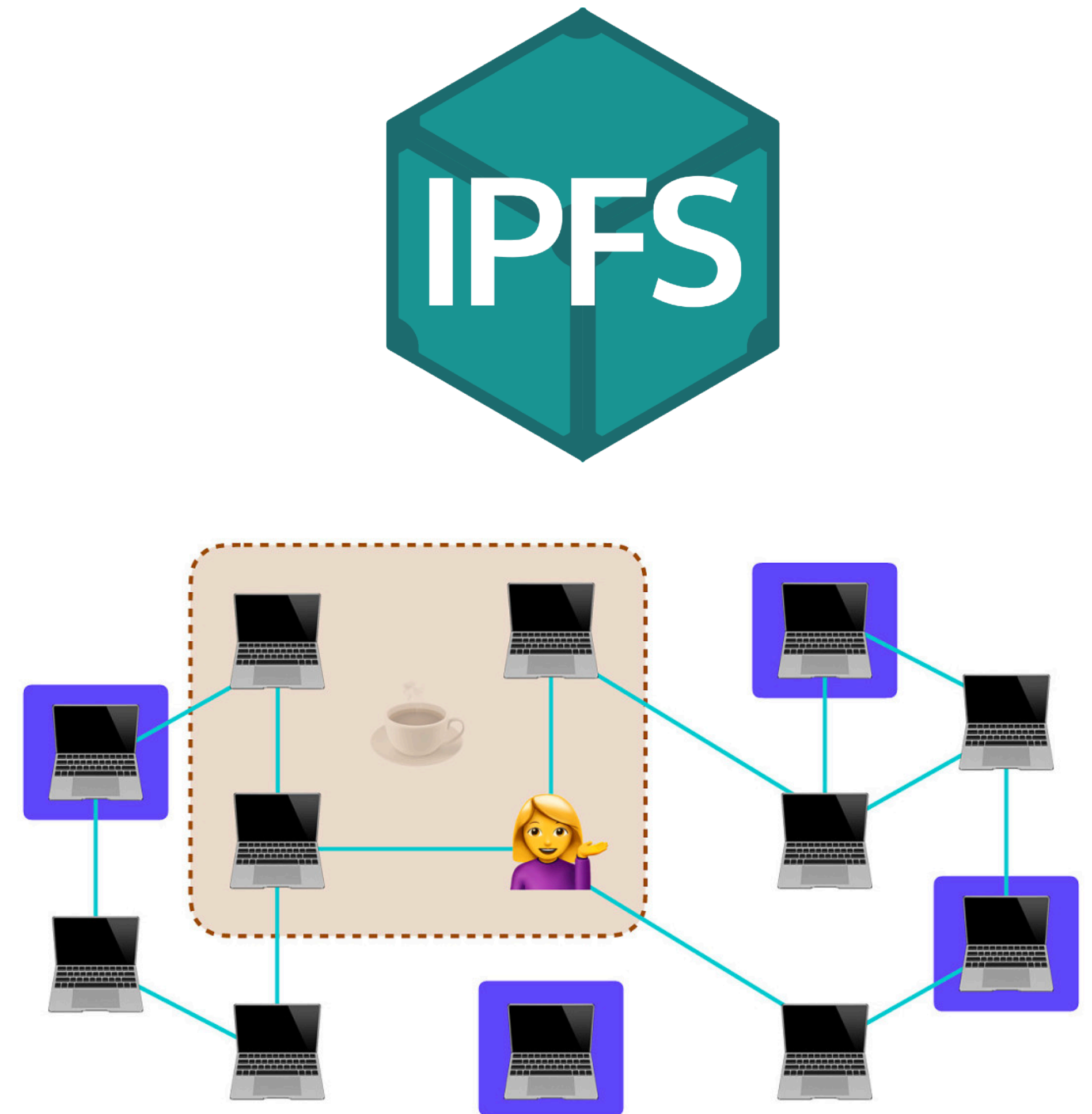


Fission turns front end into *full edge apps*



WHAT IS IPFS?

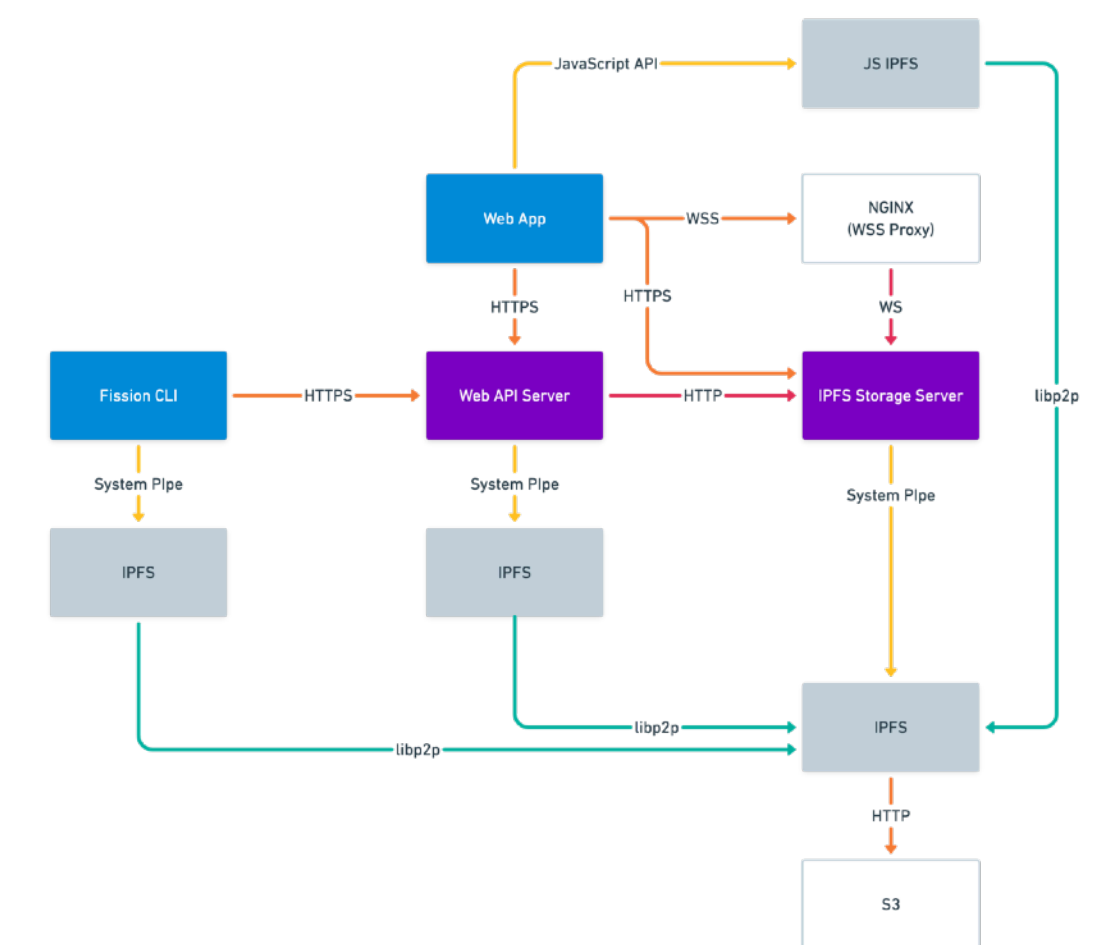
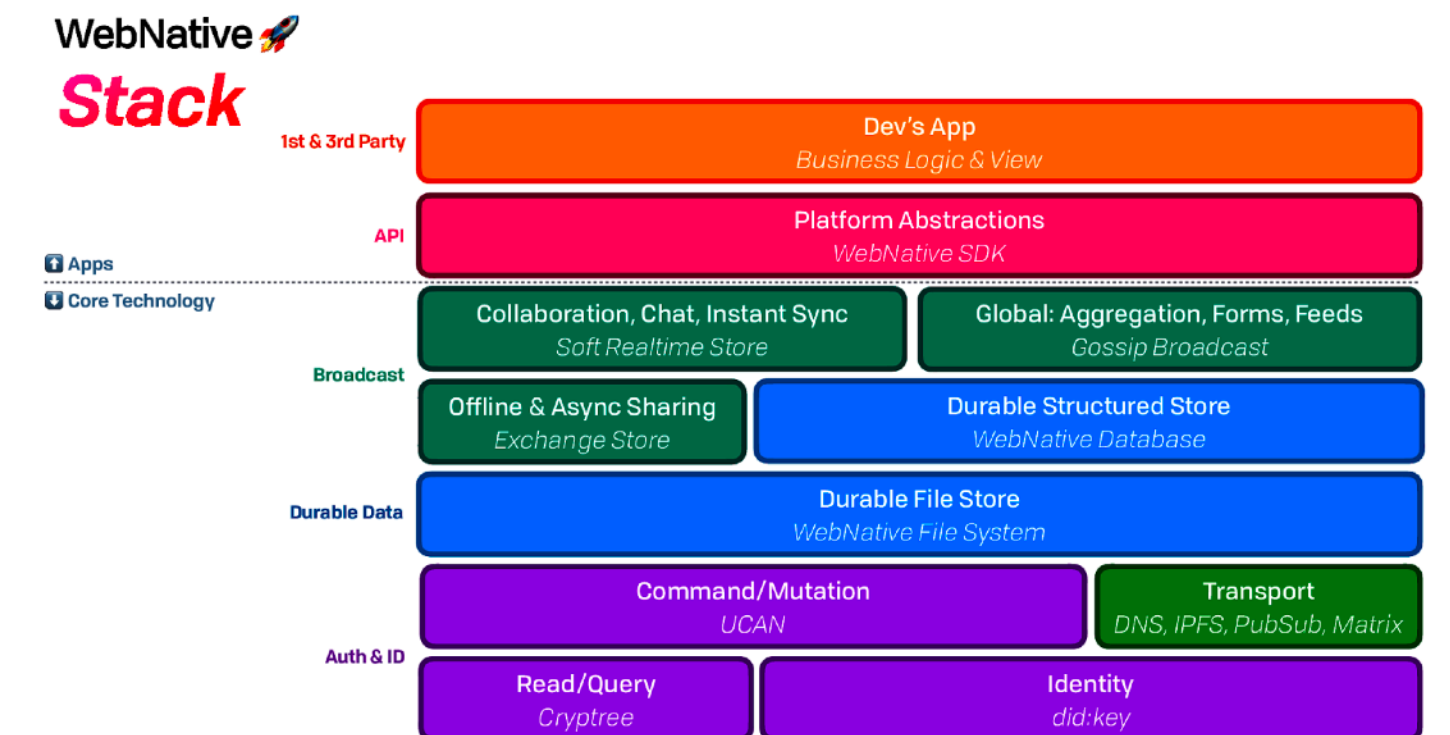
- InterPlanetary File System = IPFS
- A global “Commons Network” — anyone can help host it peer-to-peer: run a server on your desktop, a RPi, or in the cloud
- Files don’t have locations — they have content addresses, or content “IDs” == CID
- Works like BitTorrent plus Git — every directory & file broken into smaller blocks, all with CIDs, anyone can stream blocks to the file requester
- Find out more: ProtoSchool <https://proto.school/>





HOW DOES FISSION USE IPFS?

- IPFS content addressing is extremely important for us
 - Portable data, not tied to any app or service
- Webnative API helps run IPFS in the browser
 - Data is synced to your browser, and published out natively over IPFS
- Web Native File System (WNFS) built on top as a public + private/encrypted file system
 - Working on WNDB: potential for a global linked database
- We want to make IPFS *boring*





FILE LINKS

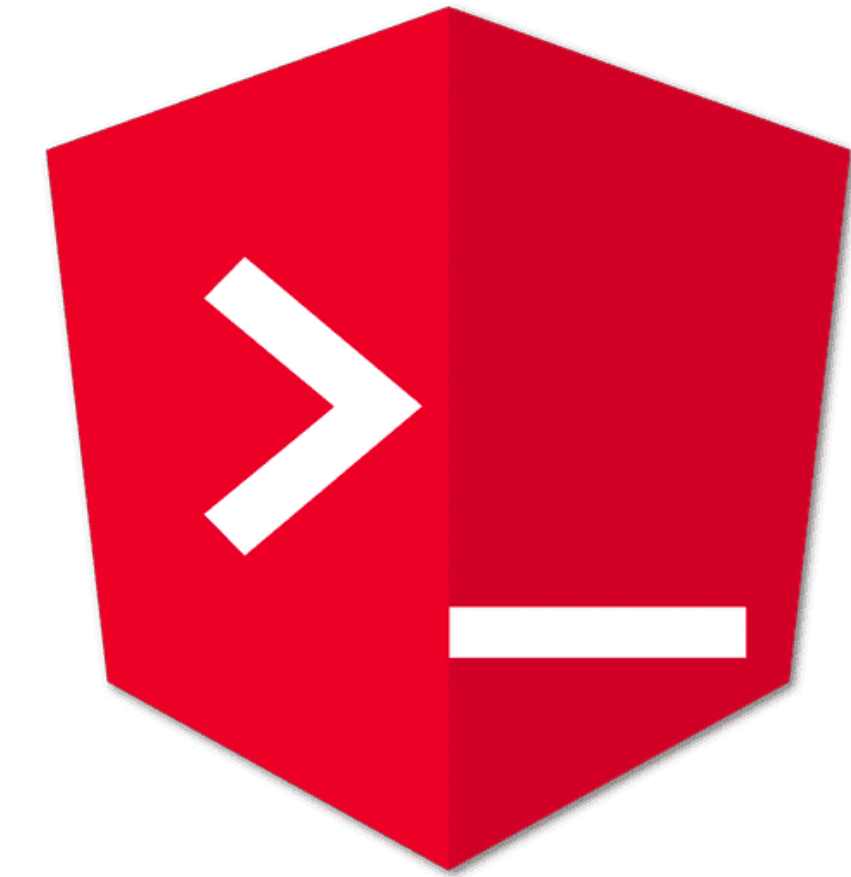
- Presented by: Brian
- Three types of links, demo, sample code
- Roadmap item: more direct username based subdomain links — USERNAME.fission.name
- Forum: <https://talk.fission.codes/t/linking-to-public-files/1716>
- Demo: <https://benevolent-senior-pink-yeti.fission.app/>





CLI LINKING

- Presented by: Brooke
- Preview of upcoming release
- Link your developer CLI account with a web account
- ✨🔑🎉 CRYPTOGRAPHY
- Also forms the basis for desktop based file syncing



Command Line Interface



INDYWIKI

- Presented by: Gyuri
- <https://indywiki.fission.app>
- A Web 3.0 Native Inter Planetary, Inter(personal), hostless Wiki

The image shows a mobile browser interface with two overlapping windows. The top window is titled "demo - Fission Demo Day 2021 March" and displays a text editor with the following content:

planning the demo

demo - Fission Demo Day 2021 March

- formatting - - color - - background - - extra -

- the problem :

- Dominant social networks are centralized,
- Upcoming federated social networks as the IndieWeb are server based
- With all of them people flock to sites for capabilities they want
- With dominant social networks you pay with privacy for the convenience and the product being sold
- People's connection to each other require intermediaries,
- their contribution to ongoing conversations are scattered across networks, and silos
- We need people to be able to connect without intermediaries,
- empowered to form their own(ed) personal first inter personal networks
- share and collaborate in their own terms

- the solution :

- Flip the prevailing paradigm

The bottom window shows a mind map visualization with nodes for "Fission", "IndieVerse", "IndyWiki", "GitHub", "Spidax", and "Agreement Research Community".

TIDDLYWIKI ON FISSION

- Presented by: Jeremy
- Progress to date, available for everyone at <https://tiddlywiki.fission.app>
- TiddlyWiki in the forum <https://talk.fission.codes/c/apps/tiddlywiki/57>
- TiddlyWiki Community Call Next week —
Wednesday, March 24th, 7:30am PDT <https://lu.ma/5j50g810>





LUMA EVENTS

- Using Luma for event registration
<https://lu.ma/fission>
- Feedback?

The screenshot shows the Fission website with a dark background. At the top, there is a circular logo with the Fission symbol. Below it, the text reads "Fission" and "Fast app publishing. Add auth & storage and ship full apps." There are social media icons for GitHub, Discord, Twitter, and YouTube. A prominent pink-to-purple gradient banner contains the text "Get invited to future Fission events" and "Tech talk Thursdays, plus monthly Demo Days and special events." Below this is a white "Subscribe" button. The "Events" section lists four upcoming events:

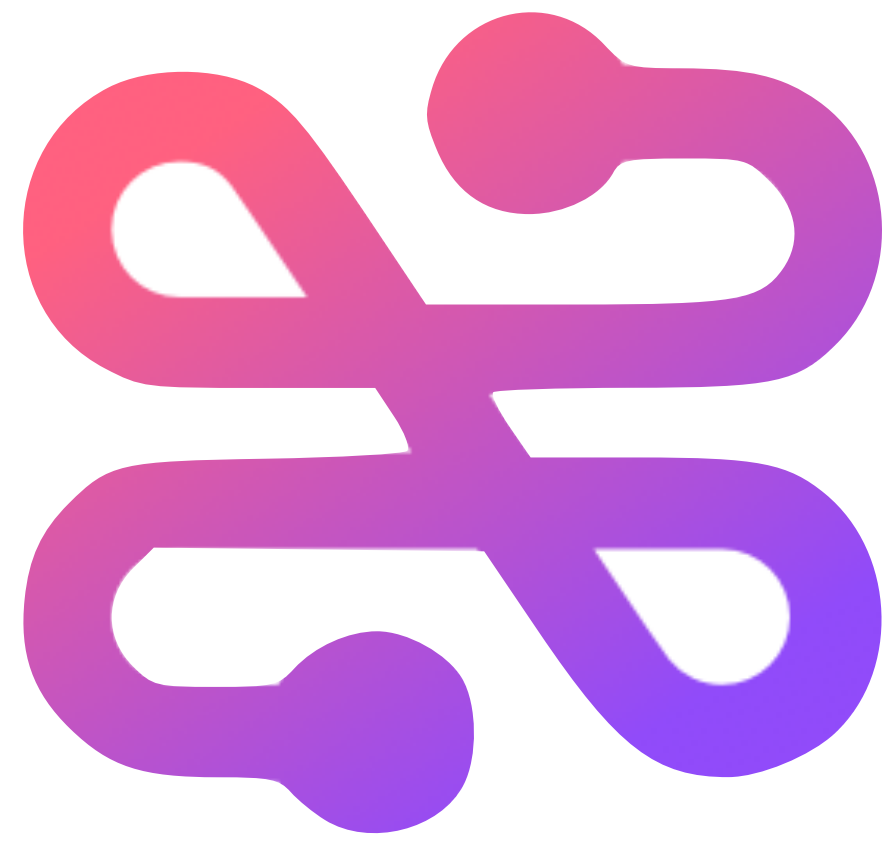
Date	Event Title	Time
MAR 18	Fission Demo Day March 2021	Mar 18 (Thu), 9:00 AM - 10:30 AM PDT
MAR 24	TiddlyWiki on Fission Community Chat with Jeremy Ruston	Mar 24 (Wed), 7:30 AM - 9:00 AM PDT
MAR 25	Stork: Fast web search for static sites, with James Little	Mar 25 (Thu), 9:00 AM - 10:30 AM PDT
APR 8	Overview and Demo of LogSeq by Tienson Qin	Apr 8 (Thu), 5:00 PM - 6:30 PM PDT

At the bottom left of the events list, there is a "View Past" link.



EVENTS

- March 24th: TiddlyWiki Community Call w/ Jeremy
- March 25th: Stork: fast web search for static sites, w/ James Little
- April 8th: Overview and Demo of LogSeq w/ Tienson Qin
- Recent <https://blog.fission.codes>
 - Building Actual Budget with James Long
 - IPFS Local Offline Collaboration SIG (which ended up on HN this week!)
 - Cortex Tools for Action with Dylan Steck



fission

THANK YOU!

Github: [fission-suite](https://github.com/fission-suite)

Developer Guide & Docs:
guide.fission.codes

Technical Whitepaper:
whitepaper.fission.codes 🚧 🧑‍🔧 ✍️

Home page: fission.codes

Discourse forum: talk.fission.codes

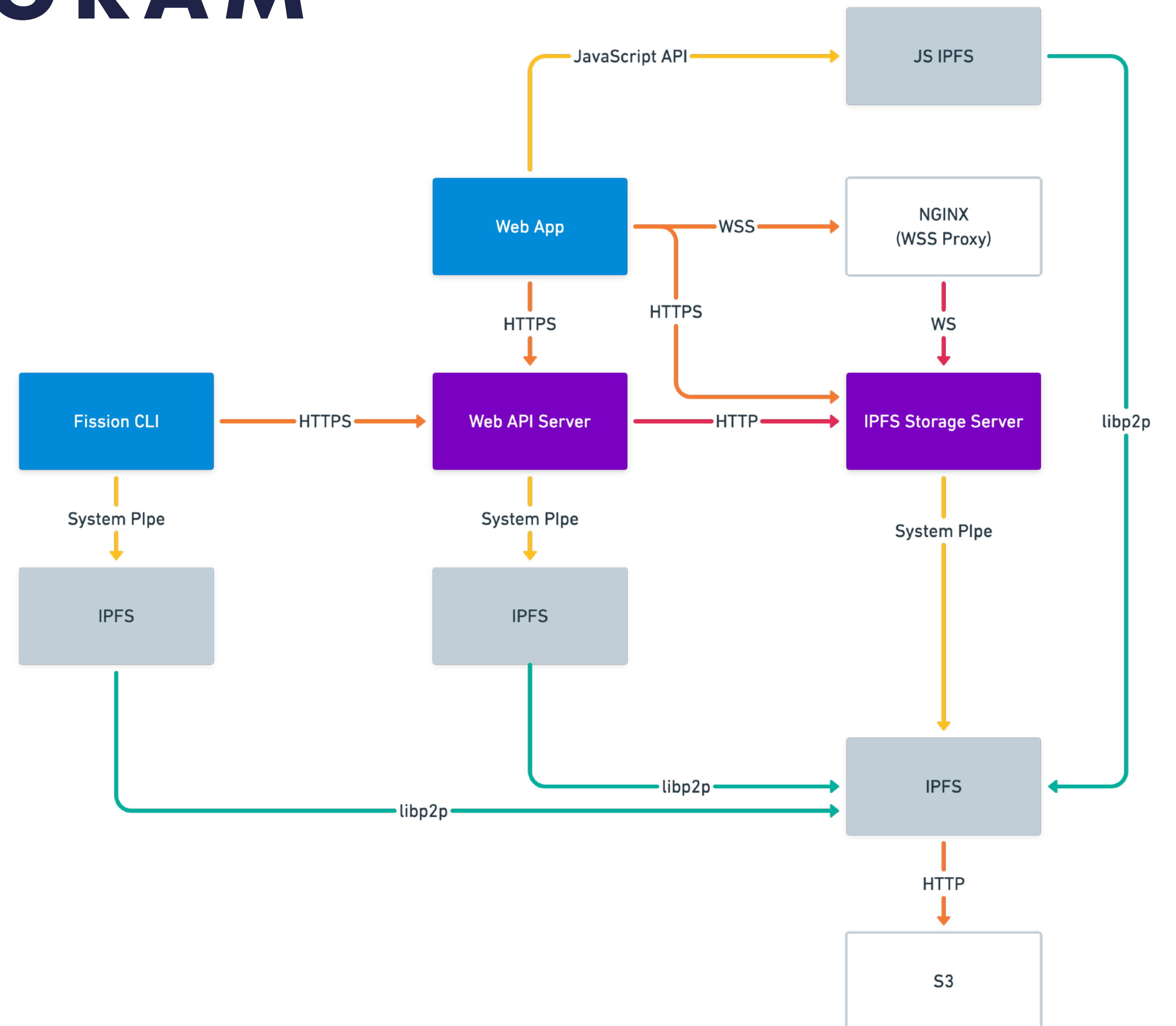
Discord chat: fission.codes/discord

Twitter: [@fissioncodes](https://twitter.com/fissioncodes)



FISSION SYSTEM DIAGRAM

- Fission Web API (Haskell)
- Auth Lobby Web App (Elm)
- Fission CLI (Haskell)
- Drive Web App (Elm)
- Integrations, eg. Publish action on Github, Heroku Add-On, etc.



WebNative 
Stack

