



# TiddlyWiki Community Chat



March 24th, 2021



# COMMUNITY CHAT

- What is Fission?
  - Why support TiddlyWiki?
- Overview and Demo - TiddlyWiki on Fission
- Include Editions in TWOF
- Community Funding with Open Collective
- Plugins, Improvements, New Features?

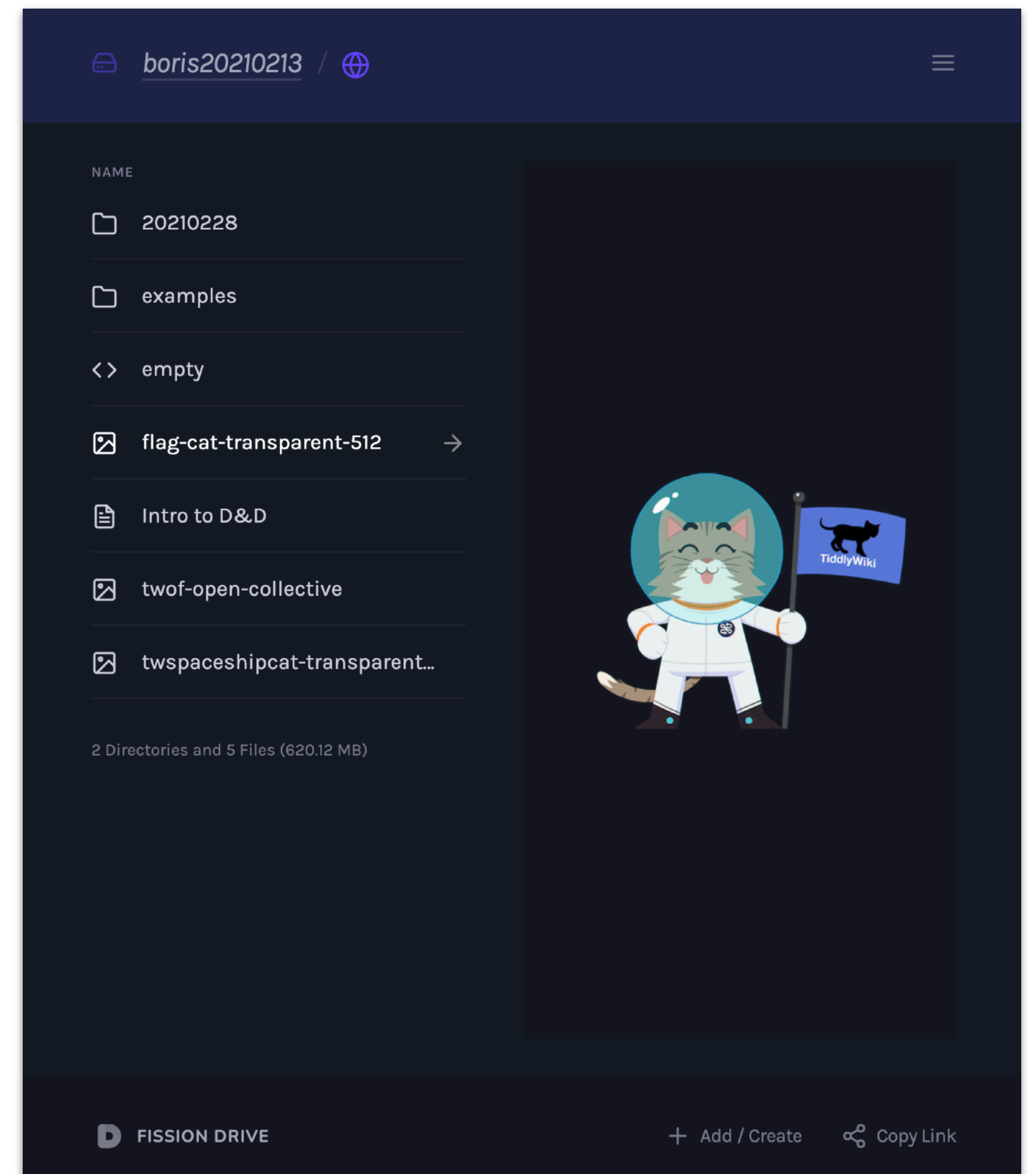




# FISSION: NEXT GEN APP PUBLISHING

- 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

HTTPS://DRIVE.FISSION.CODES





## WHY DOES FISSION WANT TO SUPPORT TIDDLYWIKI?

- TiddlyWiki is the original “serverless”
- The TiddlyWiki community is filled with people who aren’t necessarily software developers, but program and customize all the time
- Enable more TiddlyWiki Apps
- Showcase apps on Fission that encourage people to dig deeper, do their own integration
- Jeremy is an inspiring person to work with



# OVERVIEW AND DEMO

- TiddlyWiki on Fission — a bit like TiddlyDesktop on the web
  - Pick an Edition to create and launch
  - Browse your file system to launch existing wikis
- Webnative Integration for any TiddlyWiki file
  - Use Fission Drive to upload
- Static Publishing
  - Edit in private, publishing in public



# INCLUDING EDITIONS

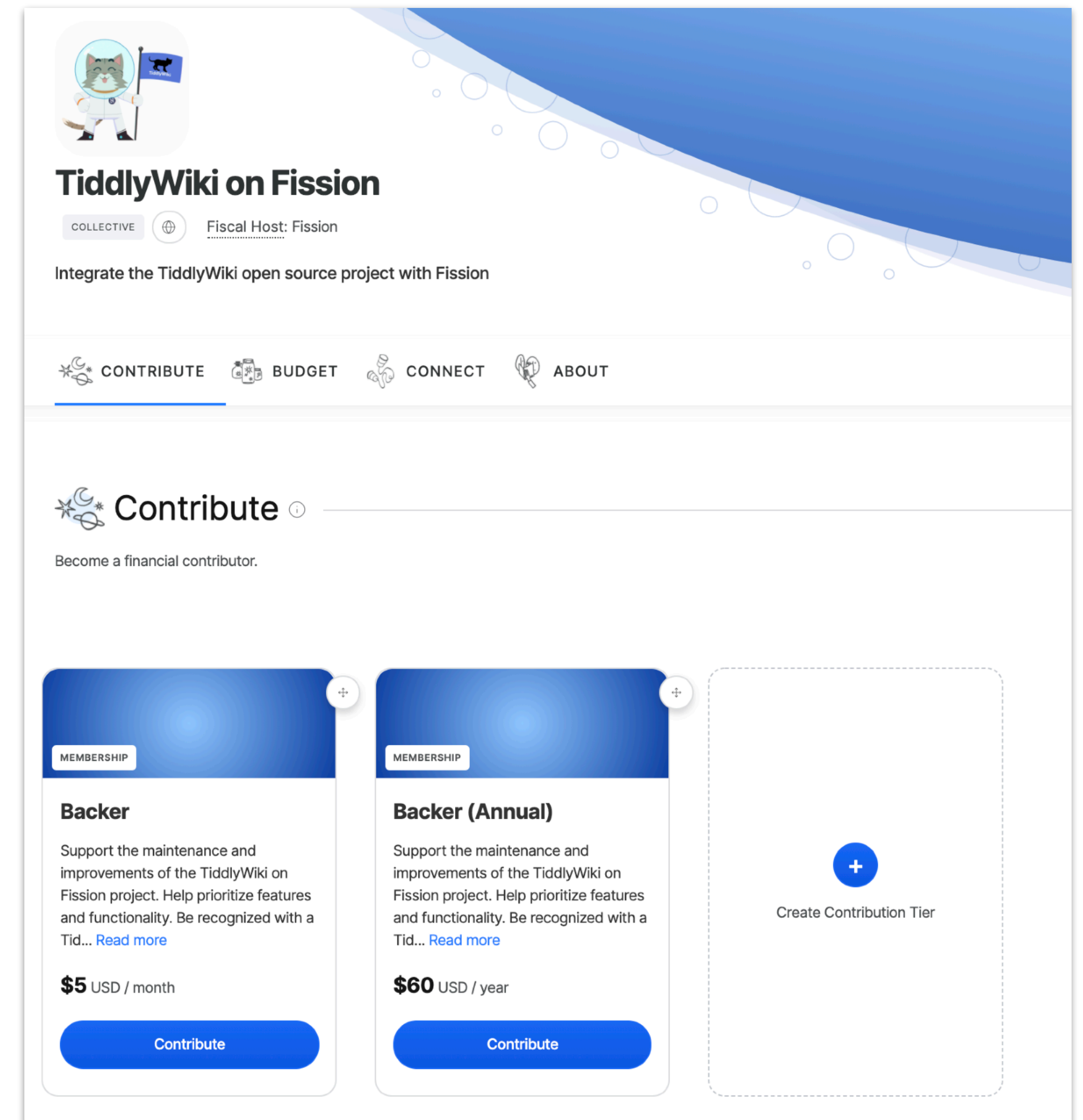
- We'll manage this in the TWOF GitHub repo
- Post in the forum, post an issue, or make a PR
- Non-developer friendly — just include a link to where your version is
- (You could publish it on Fission!)

```
[
  {
    "name": "tiddlywiki.com",
    "description": "~TiddlyWiki 5 latest release",
    "url": "https://tiddlywiki.com/empty.html"
  },
  {
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    "description": "~TiddlyWiki 5 prerelease of the next version",
    "url": "https://tiddlywiki.com/prerelease/empty.html"
  }
]
```



# TIDDLYWIKI ON OPEN COLLECTIVE

- Open Collective is a platform for gathering financial support and transparent finances <https://opencollective.com>
- Can we gather funds from the community, and then pay members of the community with those funds?
- Fission is the Fiscal host <https://opencollective.com/tiddlywiki-on-fission>





# PLUGINS, IMPROVEMENTS, NEW FEATURES?

- What can be done in a TiddlyWiki on Fission implementation?
  - e.g. file uploads / ExternalImages / ExternalAttachments
- What would the community want to fund?

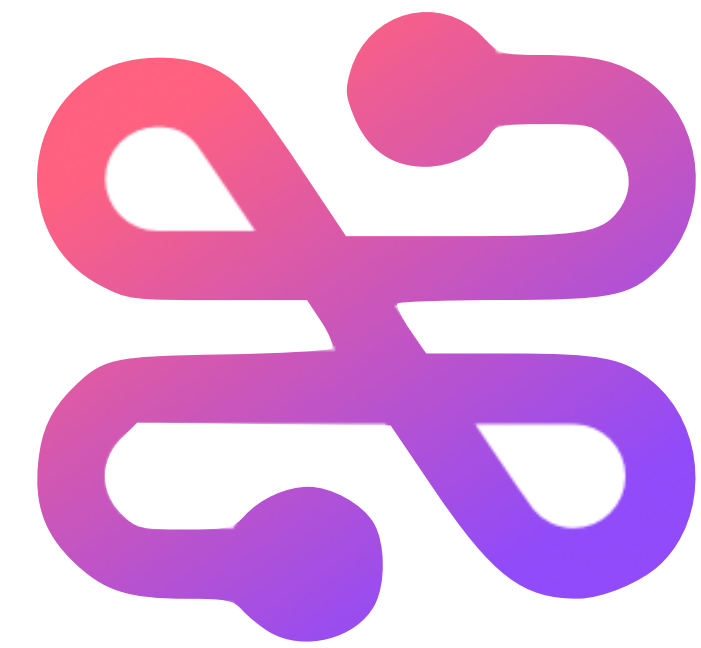




# TIDDLYWIKI ON FISSION

- Available for everyone at <https://tiddlywiki.fission.app>
- TiddlyWiki in the forum <https://talk.fission.codes/c/apps/tiddlywiki/57>
- Github <https://github.com/Jermolene/tiddlywiki-on-fission>
- Join the Fission Discord to chat live <https://fission.codes/discord> *#tiddlywiki-on-fission*

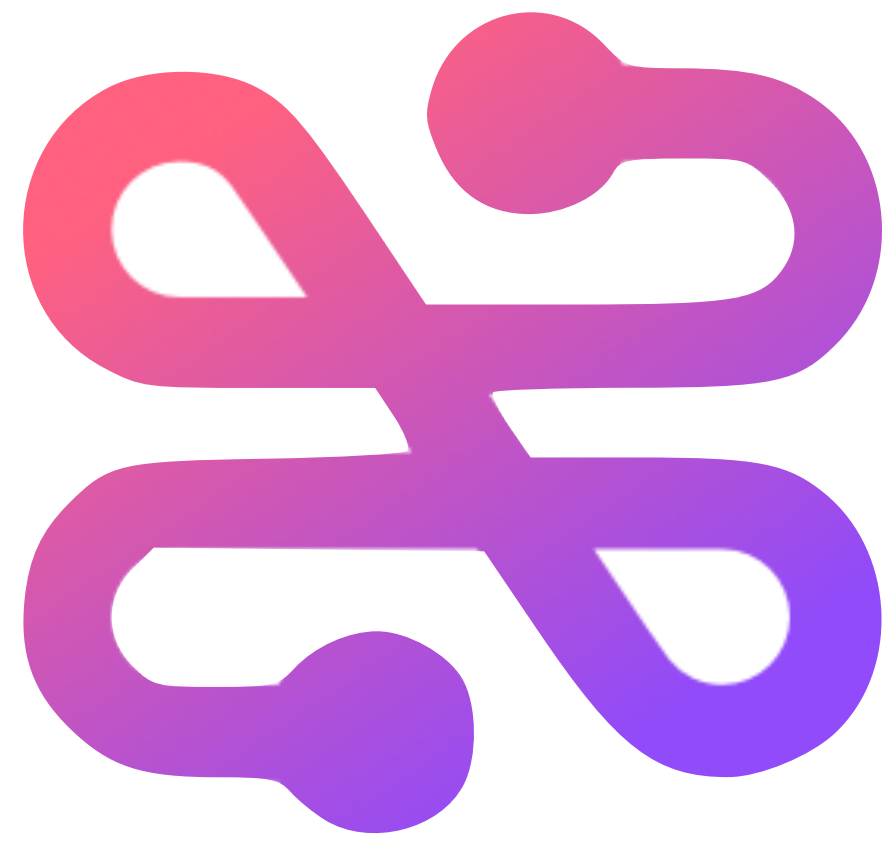




# fission

## APPENDIX





# fission

**THANK YOU!**

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

Developer Guide & Docs:  
[guide.fission.codes](https://guide.fission.codes)

Technical Whitepaper:  
[whitepaper.fission.codes](https://whitepaper.fission.codes) 🚧 🧑🏻‍🔧 ✍️

Home page: [fission.codes](https://fission.codes)

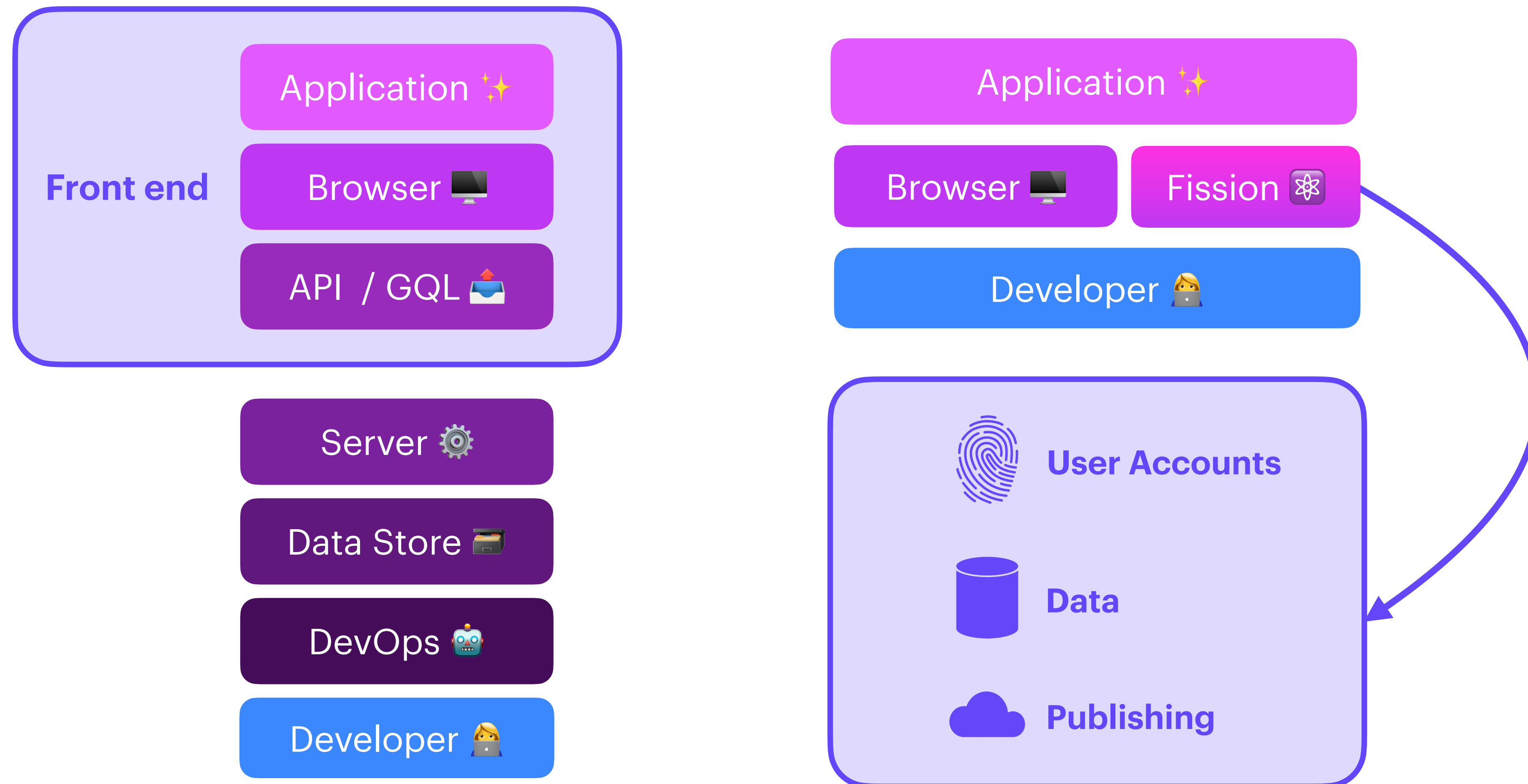
Discourse forum: [talk.fission.codes](https://talk.fission.codes)

Discord chat: [fission.codes/discord](https://fission.codes/discord)

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

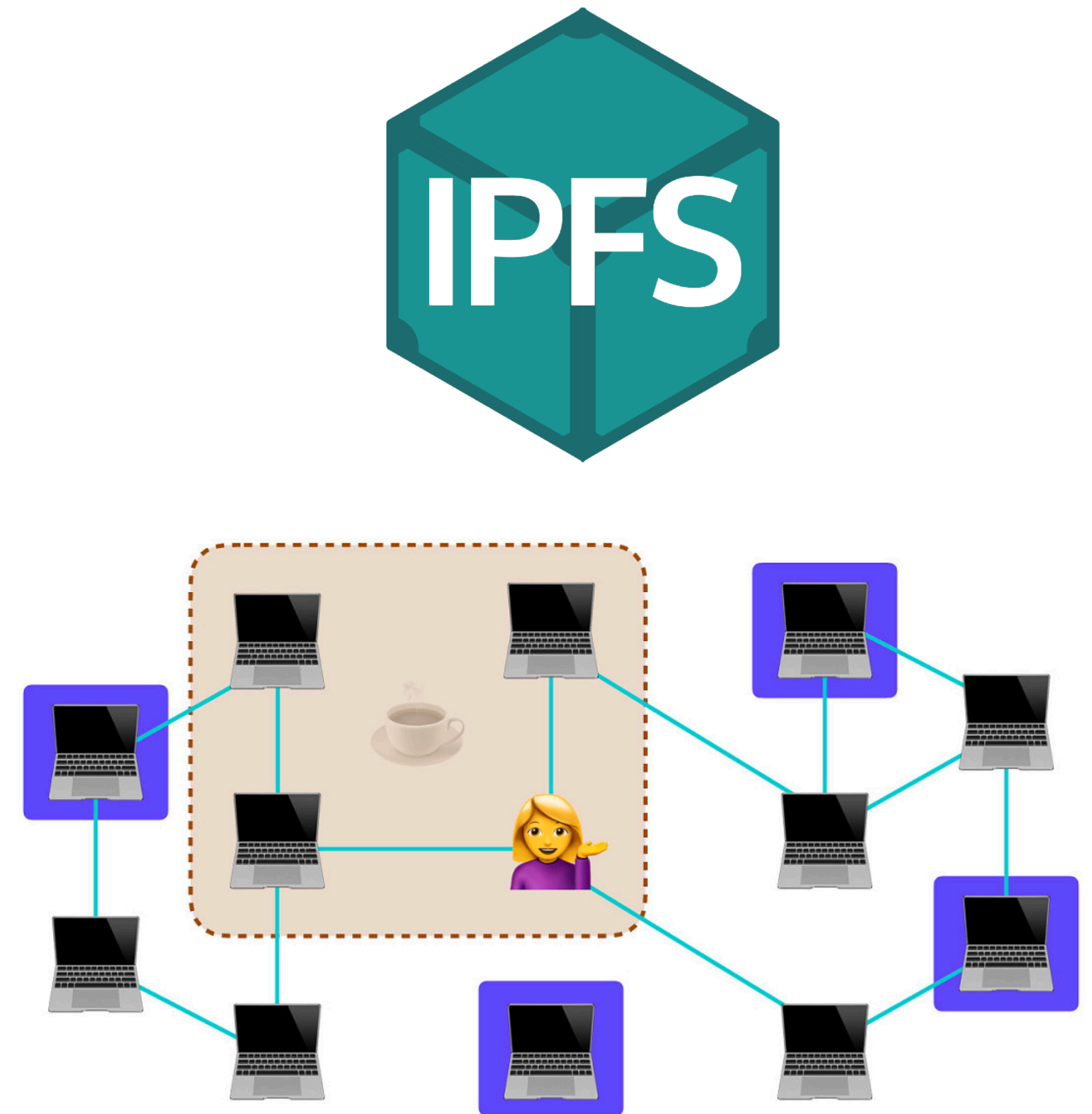


# Fission turns front end into *full edge apps*



# WHAT IS IPFS?

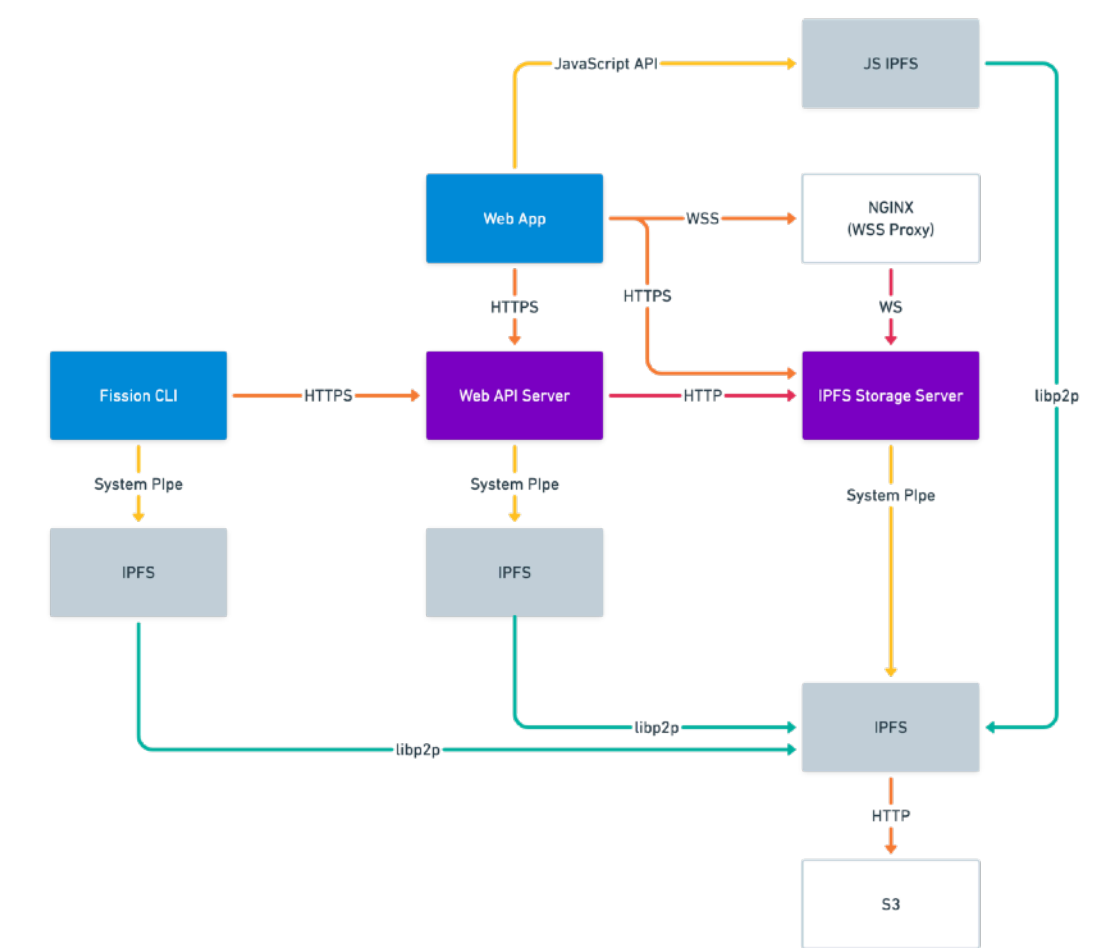
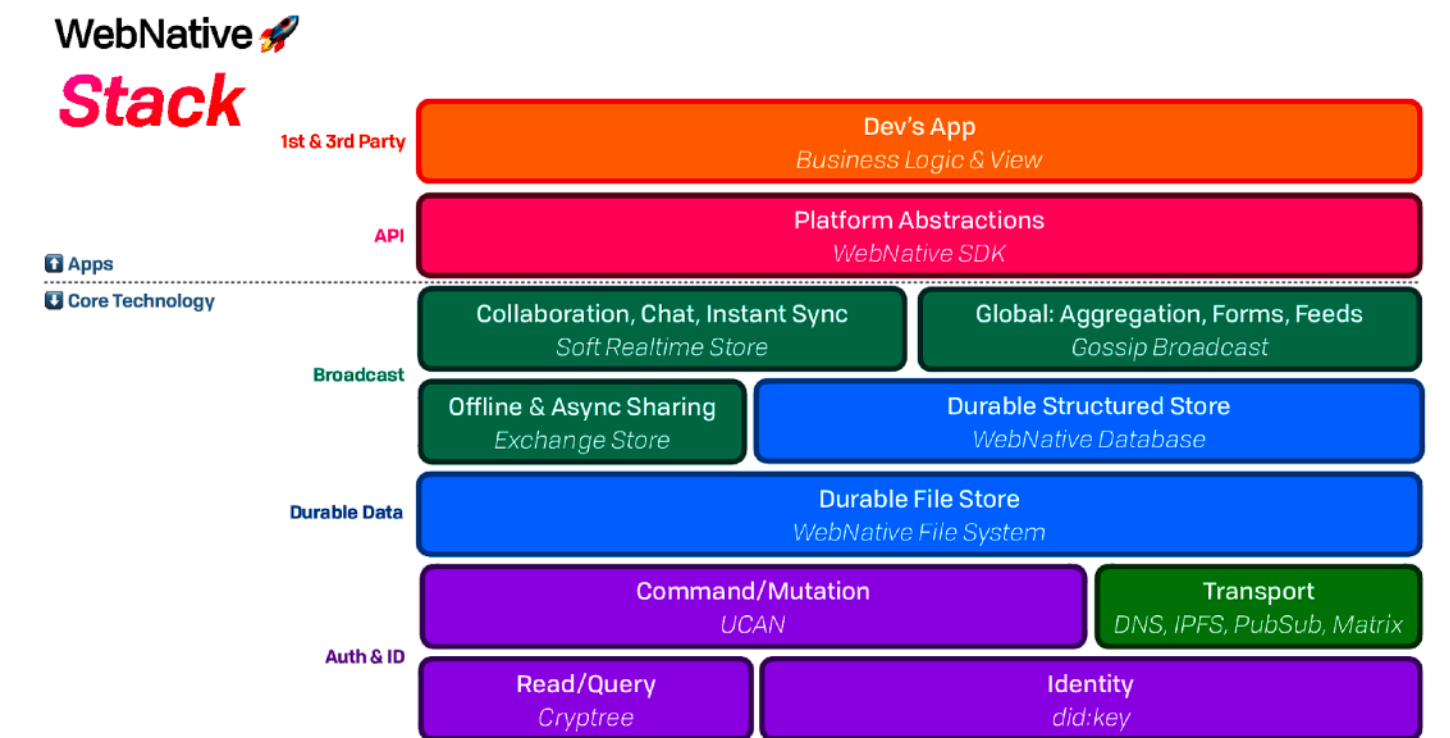
- InterPlanetary File System = IPFS
- A global “Commons Network” — anyone can help host it peer-to-peer: run a server on your desktop, a RPi, or in the cloud
- Files don’t have locations — they have content addresses, or content “IDs” == CID
- Works like BitTorrent plus Git — every directory & file broken 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?

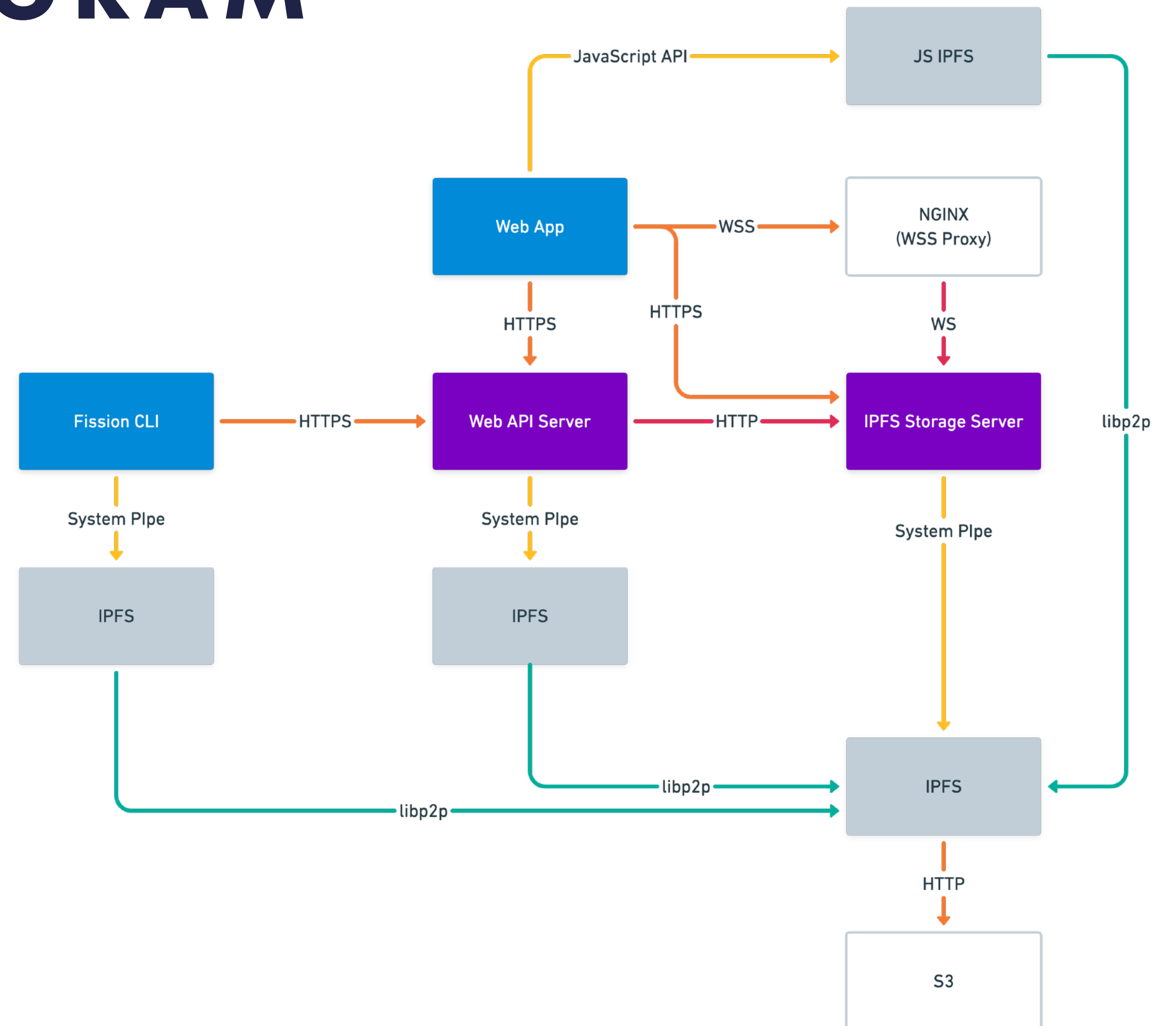
- IPFS content addressing is extremely important for us
  - Portable data, not tied to any app or service
- Webnative API helps run IPFS in the browser
  - Data is synced to your browser, and published out natively over IPFS
- Web Native File System (WNFS) built on top as a public + private/encrypted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





# FISSION SYSTEM DIAGRAM

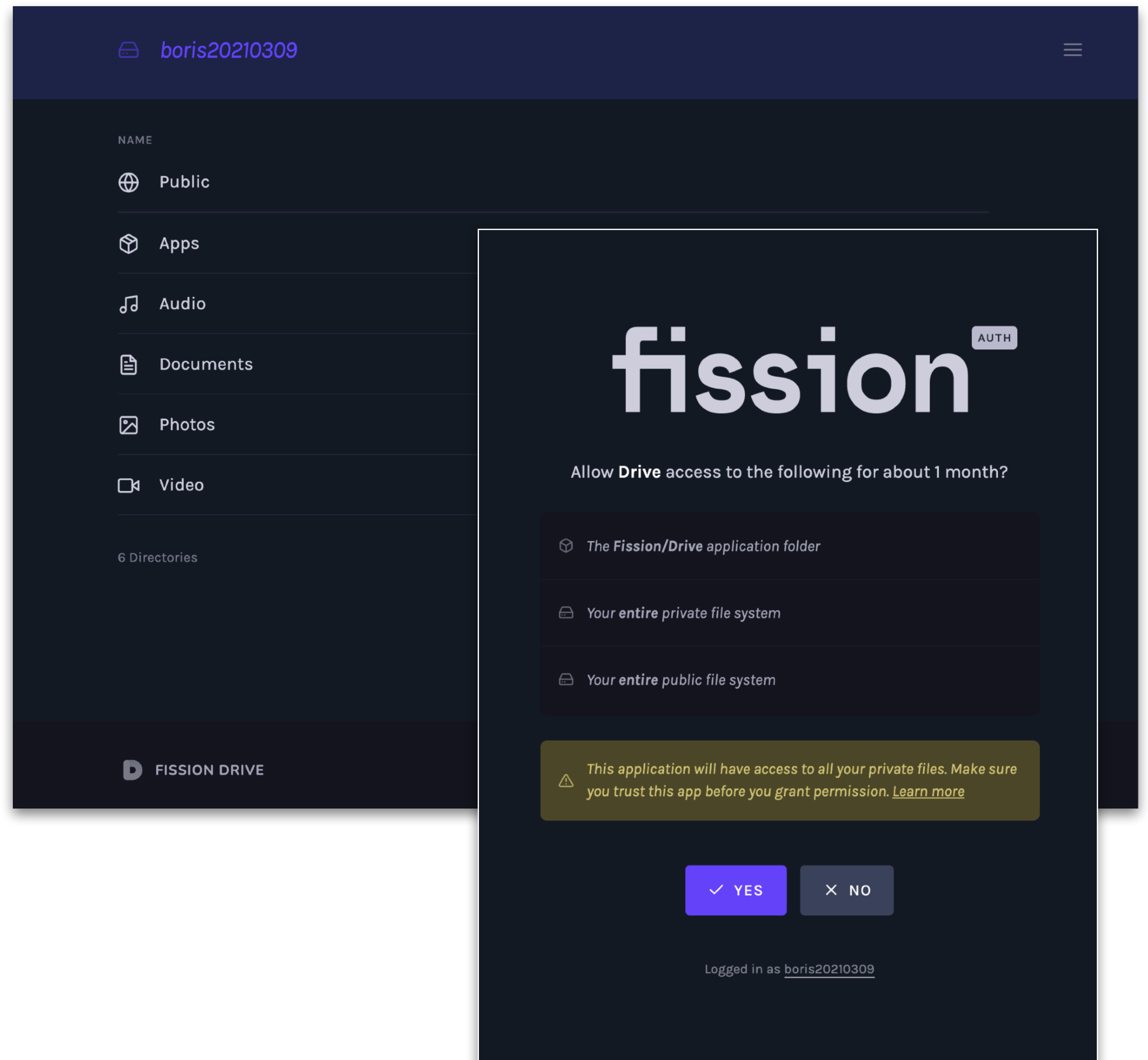
- Fission Web API (Haskell)
- Auth Lobby Web App (Elm)
- Fission CLI (Haskell)
- Drive Web App (Elm)
- Integrations, eg. Publish action on Github, Heroku Add-On, etc.





# FISSION DRIVE

- Default WNFS file browser
- Users can view App Data
- Encrypted by default, public folder is available unencrypted with direct IPFS links
- Works offline
- <https://drive.fission.codes>





WebNative   
**Stack**

