



**UCAN DO SECURE KEY
MANAGEMENT IN THE BROWSER:
BACKGROUND ON FISSION**

November 2020



FISSION: FAST APP PUBLISHING

- Make apps simpler to build, host, and maintain, while preserving user agency and supporting makers
- Simple app publishing flow for developers today: using the CLI, get a subdomain, publish using local IPFS, we update dnslink and store files
- Webnative SDK: Login, files, database (with encryption, revisions, and more built in)
- Soon: App Cloning to empower even more digital makers — from front end devs all the way to end user customization

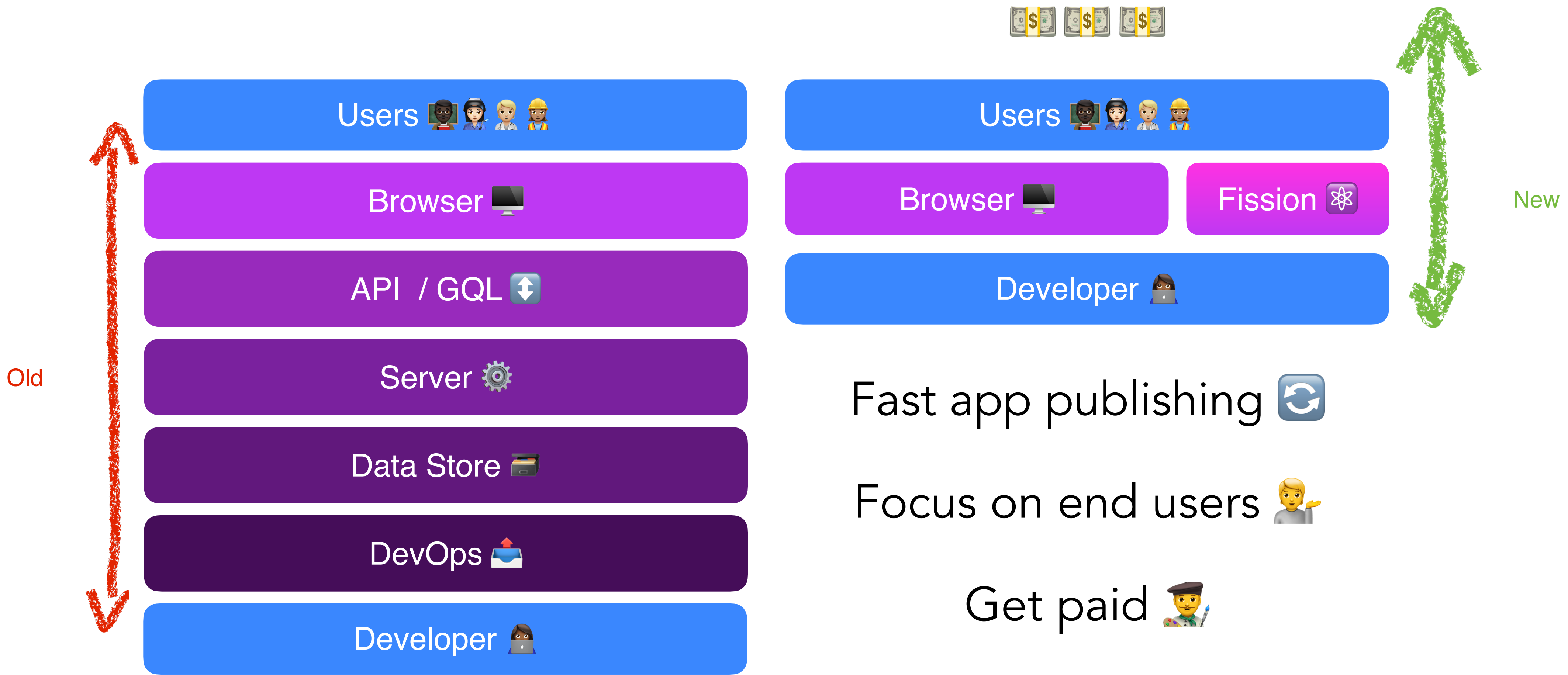


FISSION APPROACH TO TECH

- Building on IPFS protocol as a key enabling technology
- Developed Web Native File System (WNFS) to add encrypted file capabilities and permissions
- UCAN came out of a need for decentralized auth, built on DIDs, WebCrypto API, and JWTs
- Use of standards, especially portable identifiers, to aid in interoperability and portability
- Must work in all browsers, including mobile, without plugins



FRONT END ONLY STACK

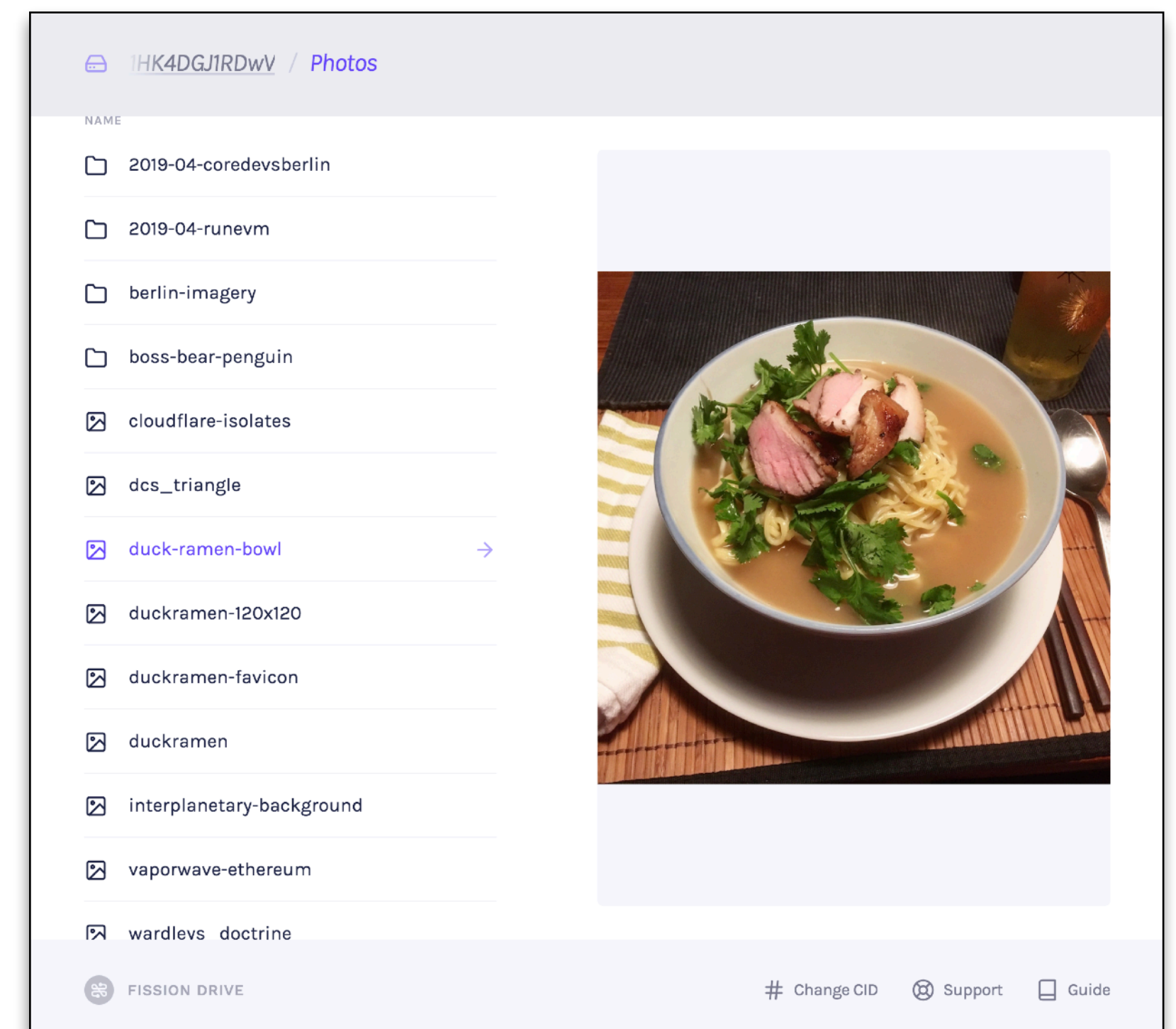




FISSION DRIVE

- WNFS public / private encrypted file system
- Every Fission Account, developers and users, has this **“open source iCloud”** attached, which makes their files available from any browser
- **Fission Drive** is our 1st party app to showcase our SDK and browse the file system

Go try it! drive.fission.codes





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