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https://discord.gg/Erp3ZYDQBh

⟠/EFS/
EVM File System

What is it?

EFS is a decentralized, uncensorable, programmatic on-chain RDF database built as a public good that allows humans and apps to easily use crowdsourced data, manage shared configuration, and form communities around datasets

Current Problem

We have trustless smart contracts but not trustless interfaces to use them

Badger, Curve, and others had attackers take over DNS/web servers to change the UI and steal from users

Programming money and identity requires the highest bar of safety

Partial Solution

IPFS provides specific UIs that are always available and tamper proof

Uniswap, Aave, etc have IPFS UIs but are hard to find and use by most users

Each web3 app has a bespoke method of providing IPFS UIs and many still rely on unsafe DNS and servers to provide them

EFS Solution

EFS provides easy access to reliable crowdsourced data such as lists of web3 apps and their IPFS UIs

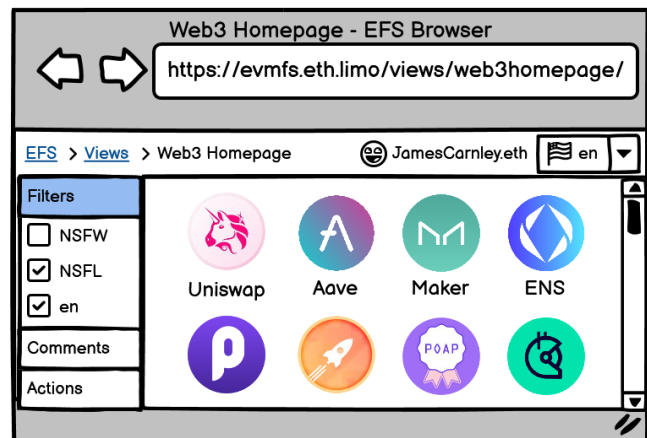Views enable experts to provide users one click access to easy UIs built on top of complex datasets

Data can be protected by configurable methods such as proposal staking and trusted editions

Example Web3 UI View


```
📁 /views/web3homepage/         📁 /data/web3/Uniswap
📄 display                      📄 display
🔽 name                         ▶ name = Uniswap
     en: Web3 Homepage          ▶ logo = ipfs://CjF...
     eo: Web3 Hejmpaĝo          📄 contracts
▶ css = ipfs://Qmf...               /evm/contracts/0x1F9...
📄 folder_data                      /evm/contracts/0x5BA...
▶ source = /data/web3/          📄 interfaces
▶ select = name, logo, ipfs     ▶ http = https://app.uni...
▶ filters = nsfw, nsfl, locale  ▶ ipfs = ipfs://SaX...
```

Think EFS is a cool idea? Join the Discord and help build the future!

EFS Details

URI Scheme: efs://chainid/path/to/data/subject:relationship.type?option=value#edition

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What will EFS be good for?

Data Schelling Points - Every item has a unique identifier that data is attached to allowing for shared information and interoperable applications.

Data Composability - Data on Ethereum today lives in contracts that require bespoke integrations by developers. EFS provides a canonical and permissionlessly extendable type system for developers to build upon.

Attestations - EFS provides a standard place to store and verify attestations such as certificates of education, trusted users/apps, and social graphs.

Communities - Groups can view, work, and comment on shared datasets with no tech expertise needed.

Trusted Apps - Apps built on EFS are user-controlled, work offline, never upgrade without permission, preserve privacy, work everywhere, interoperable by default, and easily discoverable.

Many editions of data - In our increasingly polarized world, disagreements on data lead to different systems with siloed information. EFS allows multiple parties to share data on a single topic.

Future Vision

	PC	Mobile	EFS
Trustless	✔	✘	✔
Easy	✘	✔	✔

Better Apps - Users need dependable software with no technical skill required

Discoverability - Permissionless app store for any kind of app: web3, AI, porn, game mods, etc

Universal UX - Cross-chain apps and configuration

Hyperstructure - Composable data and configuration

Organizing the World Computer