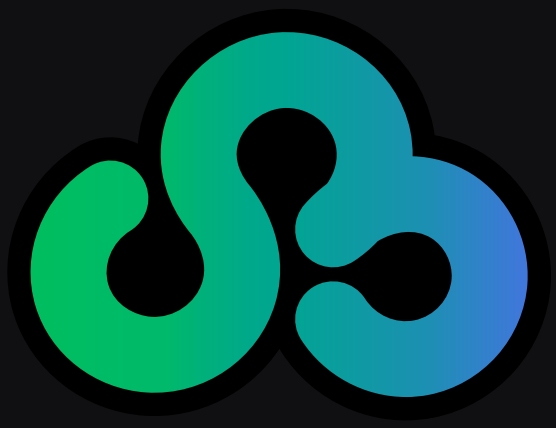


Third Storage

LITEPAPER

CONTENTS

Last revision on 07/10/2022.

THE PROBLEM

Most of the self-proclaimed web3 applications use centralized databases behind the hood and nullify the whole concept of decentralization by putting the privacy and security of user's data at risk.

Confidential user data such as passwords, emails, KYCs and other critical information are often stored without encryption and are vulnerable to data breaches. Further, the developers can also access the private data of their users since the whole data is custodial to the developer without access control limitations.

The biggest problem with the currently used web3 data storage solutions is that they lack composability, performance and scalability. Additionally, developers have a steep learning curve to get started with web3 data storage mechanisms and will have to spend a lot of time in setting up their development environment and storage nodes.

The only positives of web2 databases is that they are easily scalable and can be used by web2 developers without any prerequisite knowledge about web3 jargons. But, web2 databases can not be ideal in a decentralized and privacy-preserving web.

Migrating between two web3 databases can consume immense amount of time and the lack of data composability can sometimes make it an impossible task to automate.

Developers are required to setup their own nodes on different geographical locations to boost their data-availability, performance, Geo-redundancy and decentralization. Further, all these nodes are 'stand alone' and developers will have to manually sync in all the nodes.

The whole web requires a new generation standard to build and use data storage. The new standard should value the privacy and self-soverignity of data more than any other aspect. Developers will have to spend hundreds of hours just to create an infrastructure that can meet all their production requirements.

In most of the cases, web3 data storage options are not 'batteries ready'. This demotivates the developers to take up web3 options and finally the end up using low-code web2 alternatives that seem to do the job but compromise the data privacy that web3 offers.

THE SOLUTION

The solution - 'Third Storage' is a collection of storage paradigms to build web3 dapps that preserve user-privacy and data self-sovereignty without compromising factors like scalability, performance and composability.

To get started with Third Storage, users should select a *storage paradigm* which will suit the use case of their application. Each storage paradigm is a virtualized container which will have all the per-requsite environment setup required for data storage and other web3 operations. Storage paradigms are similar to *boilerplate environments* that can be easily setup by running a single line of code.

Third Storage provides two options :

THIRDSTORAGE LOCALHOST

Third Storage Localhost is an open-source, self-hostable and highly customizable solution that runs storage paradigms on your local machine. You will be required to handle the infrastructural and scaling needs for your Third Storage instance in Third Storage localhost. Several features like backups, hosting and analytics will not be available out of the box in Third Storage localhost. In terms of support, Third Storage localhost is not eligible for prioritized support from the Third Storage team. However, ThirdStorage localhost is 'free-forever' and is driven by the Third Storage community.

THIRDSTORAGE CLOUD

Third Storage Cloud is a batteries ready solution that can help you get started with your project in no time. A pre-hosted node cluster will be allocated with your preferred storage paradigm and you can focus on the development of your project than worrying about your infrastructural and environmental needs. Third Storage Cloud also facilitates built in solutions like Cloud backups, decentralized hosting and analytics. You can also opt to run Third Storage in multiple nodes around the world to maximize Geo-redundancy, data availability, data recovery and decentralization. Third Storage Cloud will be available on 'Pay as you go' payments mode where project owners will have to stake crypto based on their usage and performance needs.

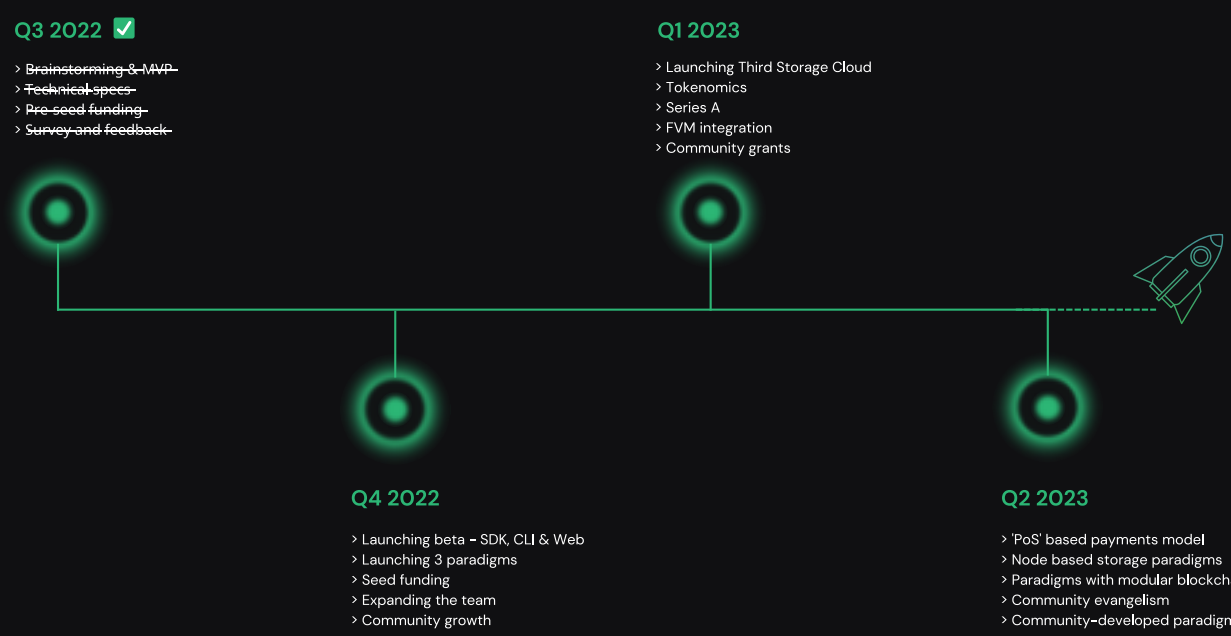
TOKENOMICS

TLDR; Third Storage does not have a token currently. Instead, we will be using tokens like FIL and ETH for payments and staking. However, we will be deciding upon having our own token by Q1 2023.

Project owners who use 'Third Storage Cloud' will be required to stake tokens for multiple reasons like expanding their project's storage limits, increasing number of nodes, using paid features etc., The payments will automatically be deducted from their staked tokens and the remaining tokens can be withdrawn at any moment. However, the Cloud will automatically be withhold upon withdrawal.

Detailed tokenmoics will be published in the end of Q1 2023.

ROADMAP



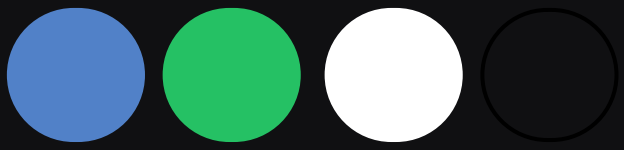
FUNDRAISING

We were incubated by Protocol Labs as our early stage pre-seed investors. We are open to discuss potential fund raising or partnership opportunities. For inquiries, reach out to us on our email : team@thirdstorage.com or alternatively, drop a 'hi' to @ThirdStorage.

REFERENCES

Landing page	https://thirdstorage.com
Third Storage Cloud (coming soon)	https://cloud.thirdstorage.com
Developer documentation	https://docs.thirdstorage.com

BRAND



Color palette

Third Storage

Third Storage Cloud

The brand style is most likely to have frequent changes.
Reach us out at press@thirdstorage.com for specific brand assets.