

P2P Drive

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PROBLEM

Centralized cloud storage can have certain disadvantages. They rely on large data centers that stores the data in one place, if this is destroyed , getting the data back can be challenging, also security is a problem, even though data is strongly secured this method is not the most secure and data can be compromised.

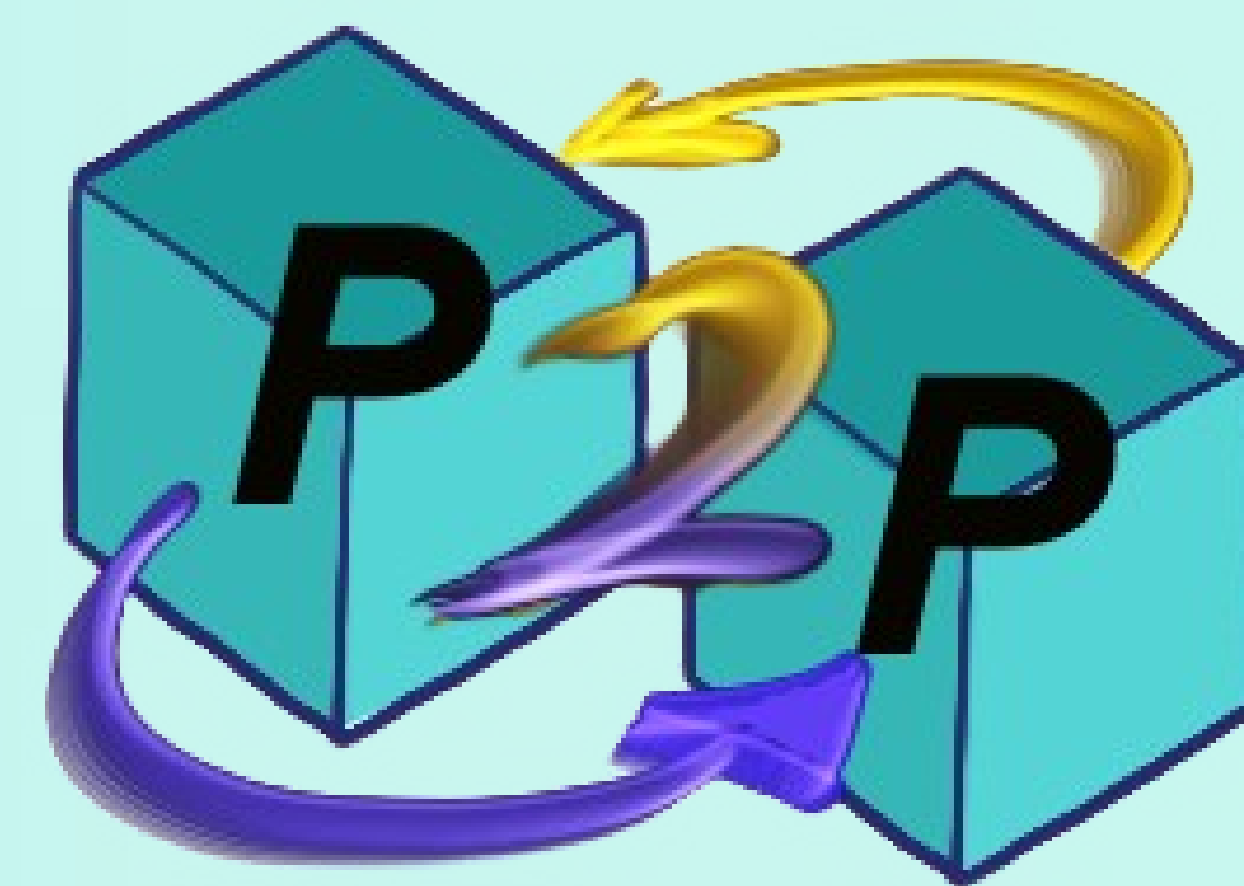
This project aims to reduce these problems that cloud storage has and make it more reliable and secure.

This is achieved by implementing an Interplanetary file system (IPFS) which uses the security of the blockchain and the availability that provides a peer-to-peer system.

SUMMARY

P2P Drive is a peer-2-peer file system like Google drive that lets you share/store files using the blockchain technology.

As a member of the team, I tested the API's also, I participated in the development of the project, influenced on the team decision and researched for useful information that can help the development of the project.



IMPLEMENTATION



CURRENT SYSTEM

The first version of P2P Drive has several features:

- Uses IPFS to store and share files
- Users Can ping files
- User can upload files
- Users can retrieve files
- Users can share files
- All data is encrypted and secured due to blockchain technology

OBJECT DESIGN



REQUIREMENTS

- Store files using IPFS system
- Ping files
- Retrieve files
- Share files
- Upload Files
- Data must be encrypted
- Nice user interface

ACKNOWLEDGEMENT

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