SecureFileShare

A Secure Decentralized File Storage & Sharing Platform

(Based on `Sui` + `Seal` + `Walrus`)

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2025.05.05

Introduce

1. Flexible File Upload & Access Control

Users can upload files and set access permissions with three options:

Access Type	Visibility	Encryption	Marketplace Listing
Private	Only the uploader	Encrypted (Seal)	No
Authorized	Specified users	Encrypted (Seal)	Yes (if priced)
Public	All users	No encryption	Yes

Introduce

2. File Marketplace

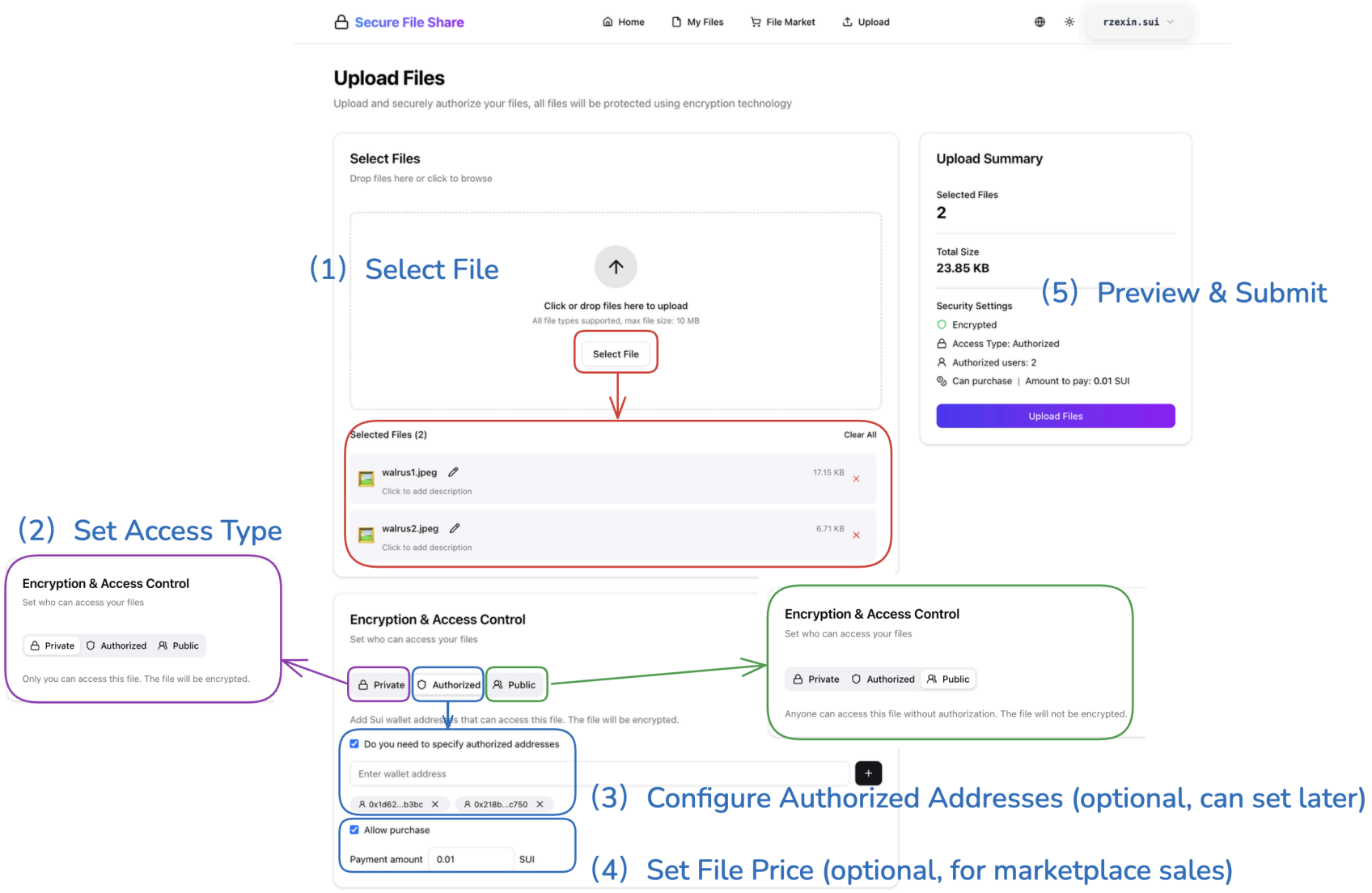
- Browse & download **public files** freely.
- Purchase **authorized files** (if the owner sets a price).

3. Personalized File Management

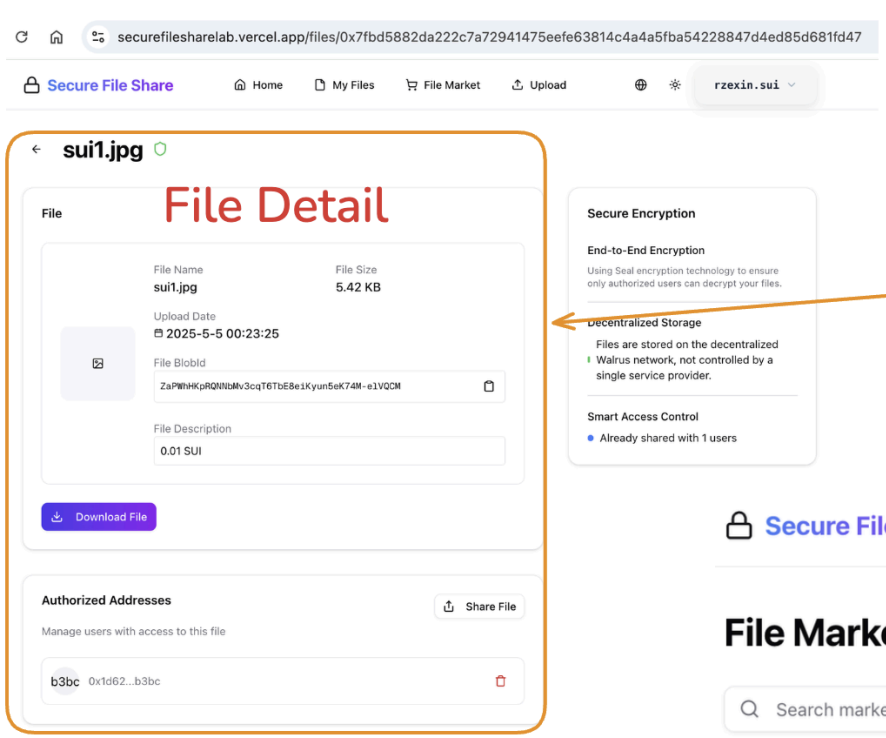
Users can view:

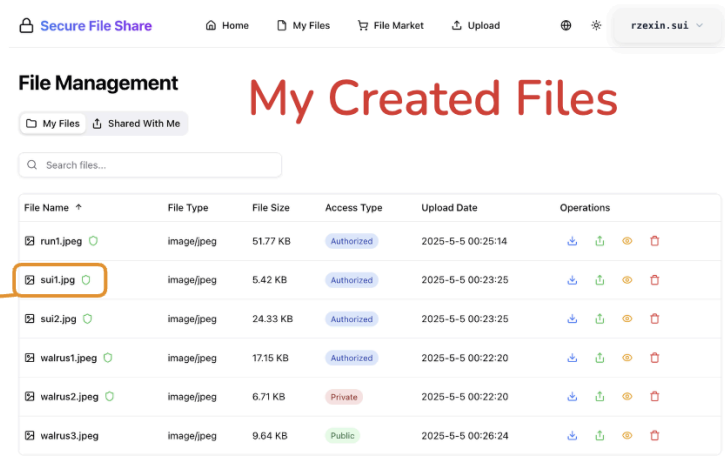
- Files they **created**
- Files **shared with them** (authorized)
- Files they **purchased**

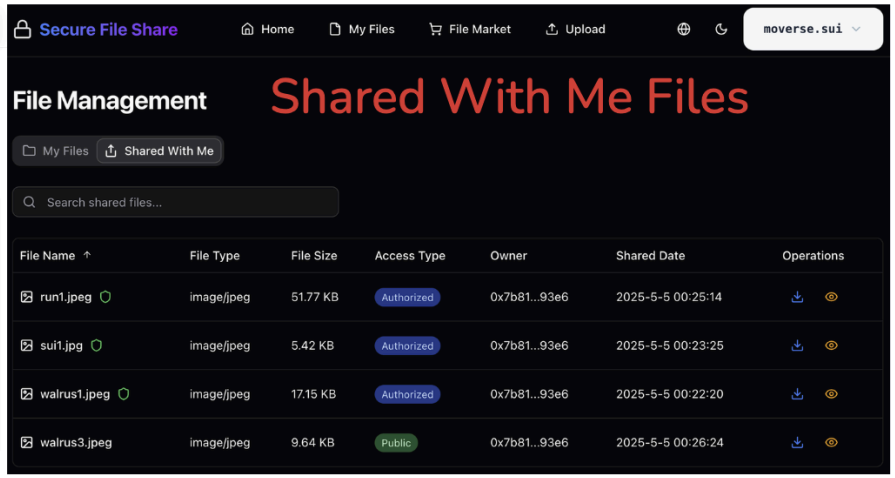
How It Works

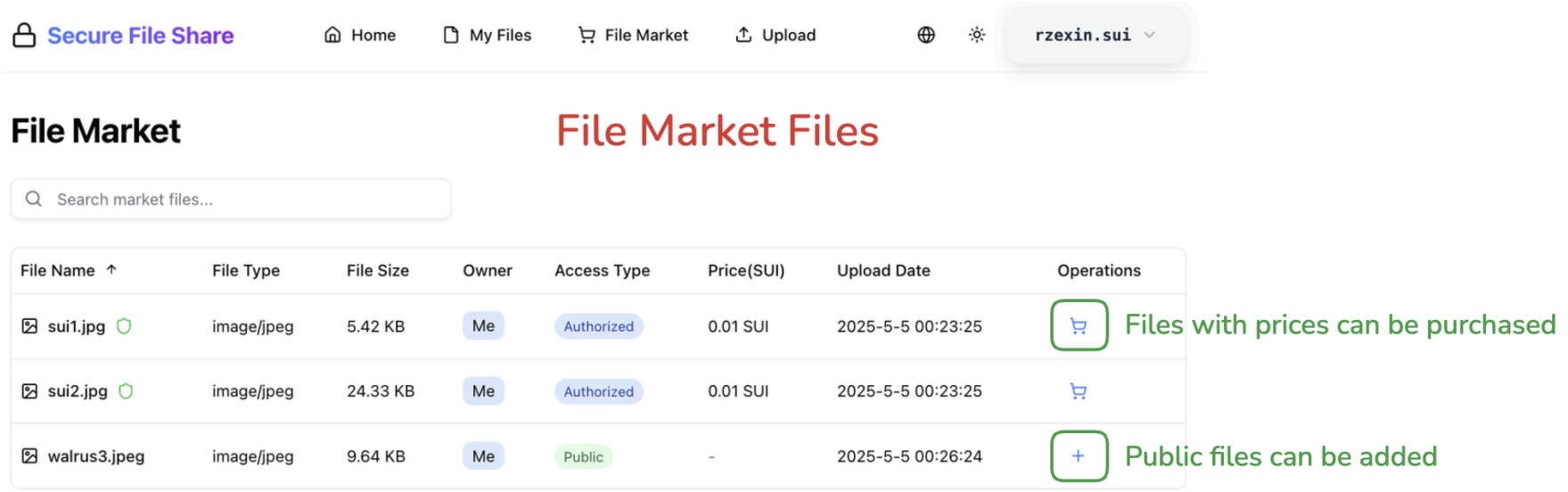

Secure File Share
Home
My Files
File Market
Upload
rzexin.sui
Upload Files
Upload and securely authorize your files, all files will be protected using encryption technology
Select Files
Drop files here or click to browse
(1) Select File
Click or drop files here to upload
All file types supported, max file size: 10 MB
Select File
Selected Files (2)
Clear All
walrus1.jpeg
17.15 KB
Click to add description
walrus2.jpeg
6.71 KB
Click to add description
Upload Summary
Selected Files
2
Total Size
23.85 KB
(5) Preview & Submit
Security Settings
Encrypted
Access Type: Authorized
Authorized users: 2
Can purchase | Amount to pay: 0.01 SUI
Upload Files
(2) Set Access Type
Encryption & Access Control
Set who can access your files
Private
Authorized
Public
Only you can access this file. The file will be encrypted.
Encryption & Access Control
Set who can access your files
Private
Authorized
Public
Add Sui wallet addresses that can access this file. The file will be encrypted.
Do you need to specify authorized addresses
Enter wallet address
0x1d62...b3bc
0x218b...c750
Allow purchase
Payment amount
0.01
SUI
(3) Configure Authorized Addresses (optional, can set later)
(4) Set File Price (optional, for marketplace sales)
Encryption & Access Control
Set who can access your files
Private
Authorized
Public
Anyone can access this file without authorization. The file will not be encrypted.

How It Works

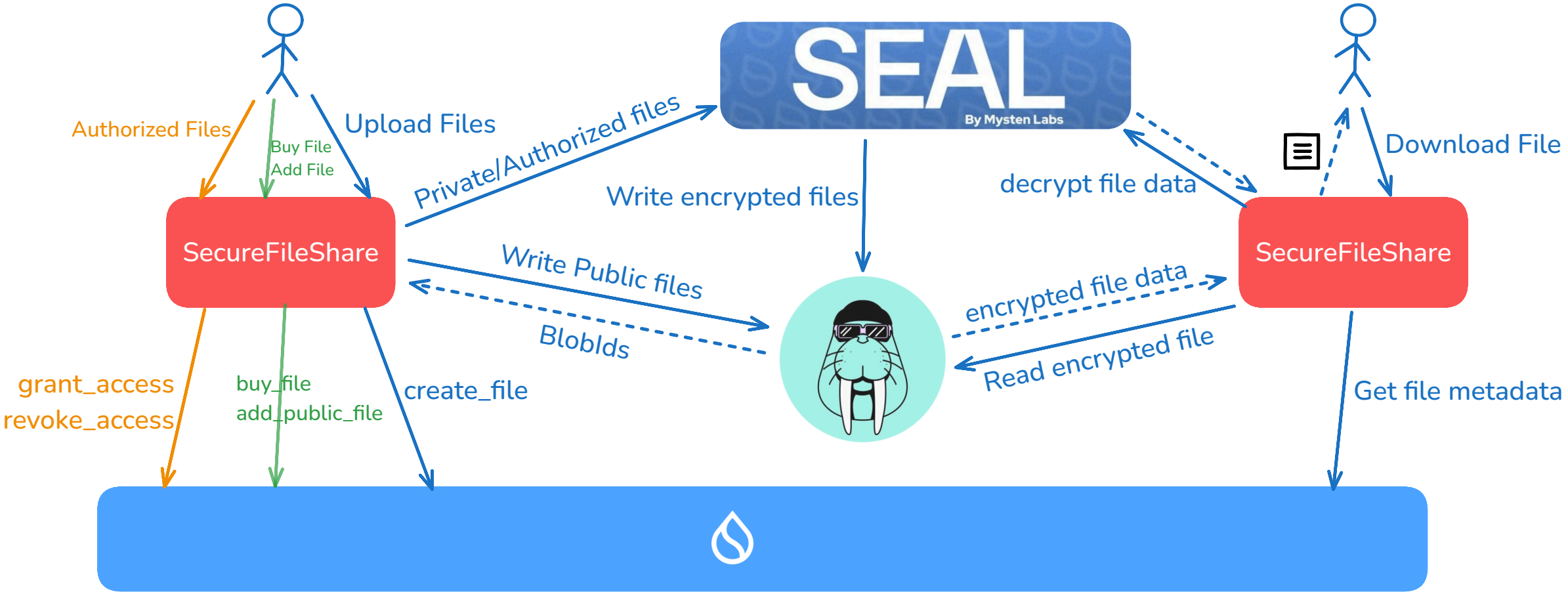

securefilesharelab.vercel.app/files/0x7fbd5882da222c7a72941475eefe63814c4a4a5fba54228847d4ed85d681fd47
Secure File Share
Home
My Files
File Market
Upload
rzexin.sui
sui1.jpg
File Detail
File
File Name
sui1.jpg
File Size
5.42 KB
Upload Date
2025-5-5 00:23:25
File BlobId
File Description
0.01 SUI
Download File
Authorized Addresses
Share File
Manage users with access to this file
b3bc
Secure Encryption
End-to-End Encryption
Using Seal encryption technology to ensure only authorized users can decrypt your files.
Decentralized Storage
Files are stored on the decentralized Walrus network, not controlled by a single service provider.
Smart Access Control
Already shared with 1 users


Secure File Share
Home
My Files
File Market
Upload
rzexin.sui
File Management
My Files
Shared With Me
My Created Files
Search files...
File Name
File Type
File Size
Access Type
Upload Date
Operations
run1.jpeg
image/jpeg
51.77 KB
Authorized
2025-5-5 00:25:14
sui1.jpg
5.42 KB
2025-5-5 00:23:25
sui2.jpg
24.33 KB
walrus1.jpeg
17.15 KB
2025-5-5 00:22:20
walrus2.jpeg
6.71 KB
Private
walrus3.jpeg
9.64 KB
Public
2025-5-5 00:26:24


Secure File Share
Home
My Files
File Market
Upload
moverse.sui
File Management
Shared With Me Files
My Files
Shared With Me
Search shared files...
File Name
File Type
File Size
Access Type
Owner
Shared Date
Operations
run1.jpeg
image/jpeg
51.77 KB
Authorized
0x7b81...93e6
2025-5-5 00:25:14
sui1.jpg
5.42 KB
2025-5-5 00:23:25
walrus1.jpeg
17.15 KB
2025-5-5 00:22:20
walrus3.jpeg
9.64 KB
Public
2025-5-5 00:26:24


Secure File Share
Home
My Files
File Market
Upload
rzexin.sui
File Market
File Market Files
Search market files...
File Name
File Type
File Size
Owner
Access Type
Price(SUI)
Upload Date
Operations
sui1.jpg
image/jpeg
5.42 KB
Me
Authorized
0.01 SUI
2025-5-5 00:23:25
Files with prices can be purchased
sui2.jpg
24.33 KB
walrus3.jpeg
9.64 KB
Public
-
Public files can be added

Architecture



DEMO

testnet： https://securefilesharelab.vercel.app/

video： https://www.youtube.com/watch?v=70WoEe64Suo

Thanks