

SecureFileShare

A Secure Decentralized File Storage & Sharing Platform

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

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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 or buyer	Encrypted (Seal)	Yes (if priced)
Public	All users	No encryption	Yes

Introduce

2. File Marketplace

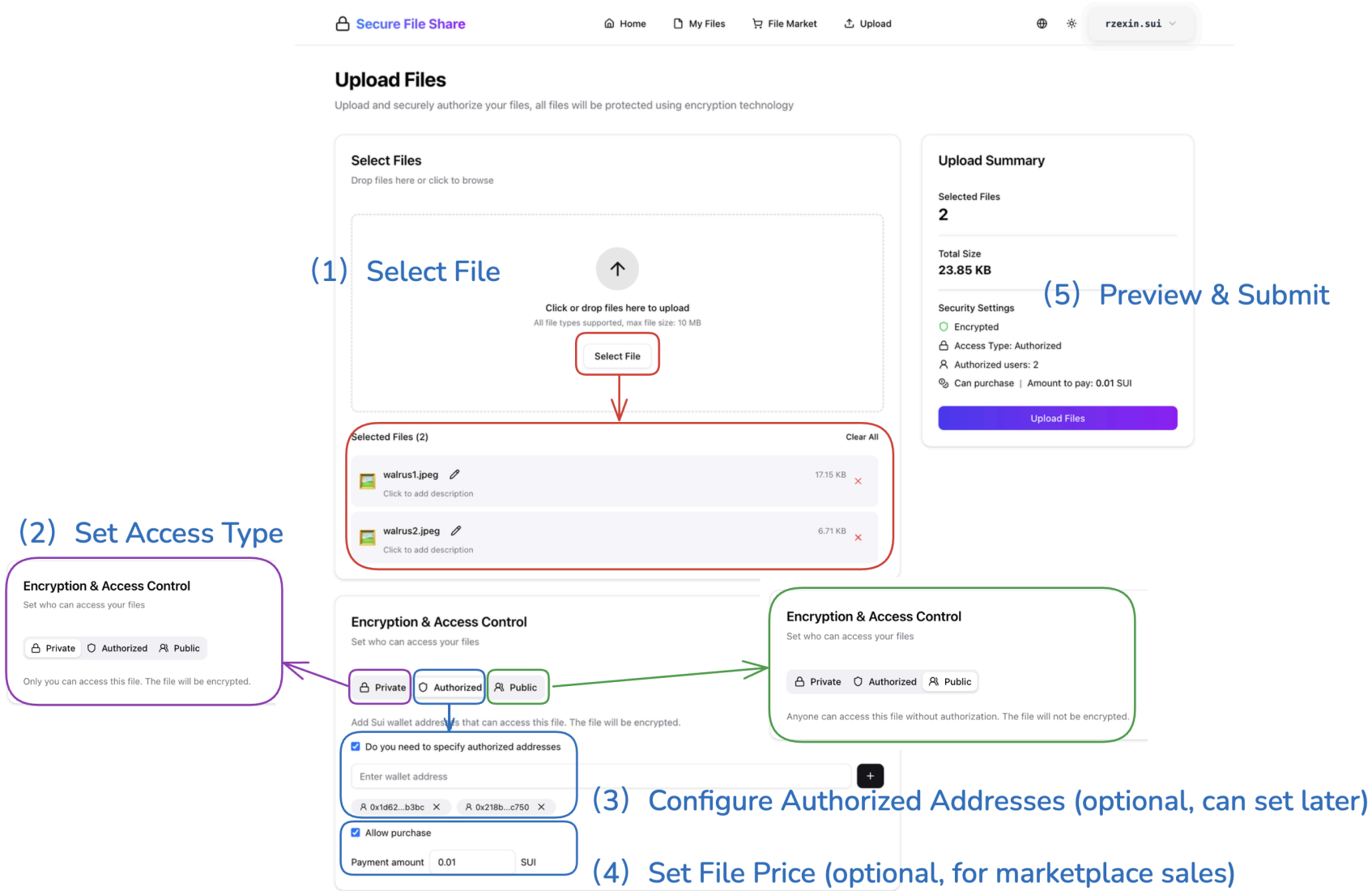
- Browse & add & download **public files** freely.
- Purchase **authorized files** (if the owner sets a price).

3. Personalized File Management

Users can view:

- Files they **created**
- Files **shared with them**
- Files they **purchased**

How It Works



How It Works

File

File Name

sui1.jpg

File Size

5.42 KB

Upload Date

2025-5-5 00:23:25

File Blobid

ZaPWHKpRQNiMw3cqT6TbE8e1Kyun5eK74M-e1VOCM

File Description

0.01 SUI

Download File

Authorized Addresses

Manage users with access to this file

b3bc

0x1d62...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

File Management

My Created Files

My Files

Shared With Me

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	<div></div> <div></div> <div></div> <div></div>
sui1.jpg	image/jpeg	5.42 KB	Authorized	2025-5-5 00:23:25	<div></div> <div></div> <div></div> <div></div>
sui2.jpg	image/jpeg	24.33 KB	Authorized	2025-5-5 00:23:25	<div></div> <div></div> <div></div> <div></div>
walrus1.jpeg	image/jpeg	17.15 KB	Authorized	2025-5-5 00:22:20	<div></div> <div></div> <div></div> <div></div>
walrus2.jpeg	image/jpeg	6.71 KB	Private	2025-5-5 00:22:20	<div></div> <div></div> <div></div> <div></div>
walrus3.jpeg	image/jpeg	9.64 KB	Public	2025-5-5 00:26:24	<div></div> <div></div> <div></div> <div></div>

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	<div></div> <div></div>
sui1.jpg	image/jpeg	5.42 KB	Authorized	0x7b81...93e6	2025-5-5 00:23:25	<div></div> <div></div>
walrus1.jpeg	image/jpeg	17.15 KB	Authorized	0x7b81...93e6	2025-5-5 00:22:20	<div></div> <div></div>
walrus3.jpeg	image/jpeg	9.64 KB	Public	0x7b81...93e6	2025-5-5 00:26:24	<div></div> <div></div>

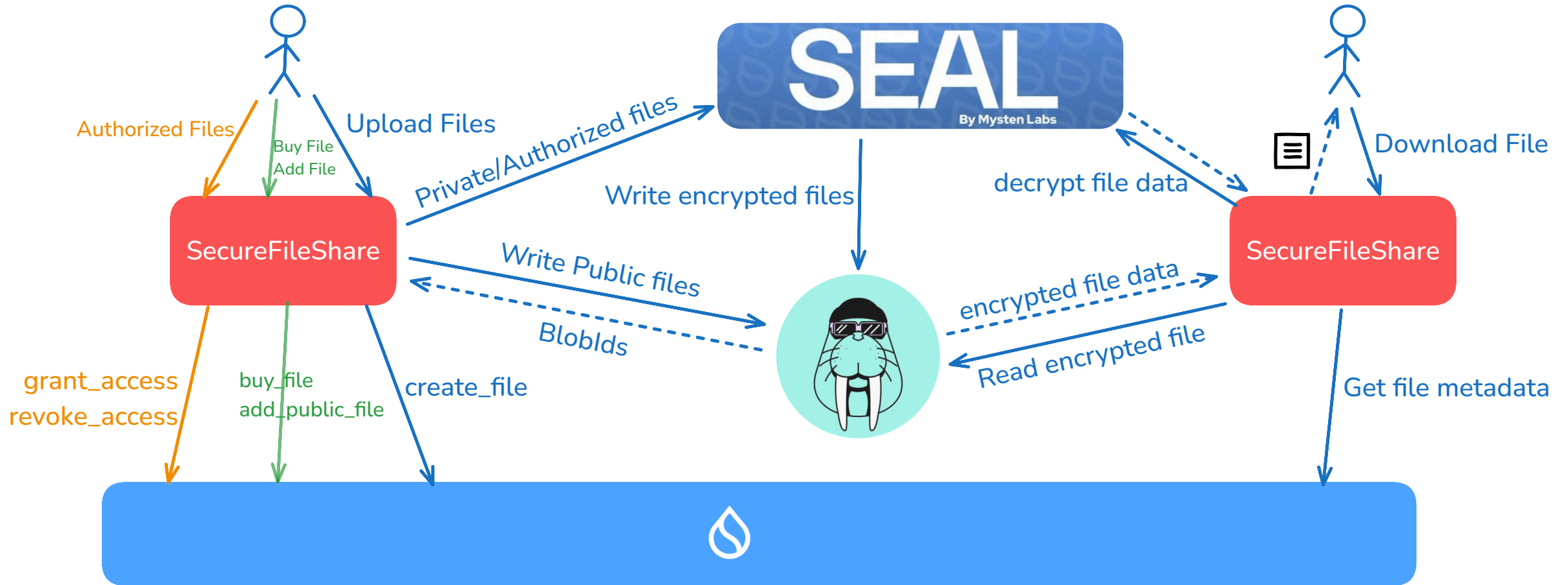
File Market

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	<div></div> <div>Files with prices can be purchased</div>
sui2.jpg	image/jpeg	24.33 KB	Me	Authorized	0.01 SUI	2025-5-5 00:23:25	<div></div>
walrus3.jpeg	image/jpeg	9.64 KB	Me	Public	-	2025-5-5 00:26:24	<div></div> <div>Public files can be added</div>

Architecture



DEMO

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

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

Thanks