Vault as NFT: Unlocking NFT Portfolio Efficiency

Transforming portfolio management with the power of Sui's innovative object model. Streamline your portfolio, boost efficiency, and unlock new possibilities.

by Pavan Kumar Gali

Fragmentation vs. Growth

$2.4B

DeFi TVL on Sui

Rapidly expanding ecosystem

100+

Clicks Needed

To manage a large portfolios

- DeFi TVL on Sui now ≈ $1.9 – 2.4 B; 24 h DEX volume ≈ $3 B and climbing +41 % WoW

- Funds, DAOs, whales must hop across wallets, UIs and manual spreadsheets.

- Rebalancing, audit, and treasury sign-offs = operational drag → capital sits idle.

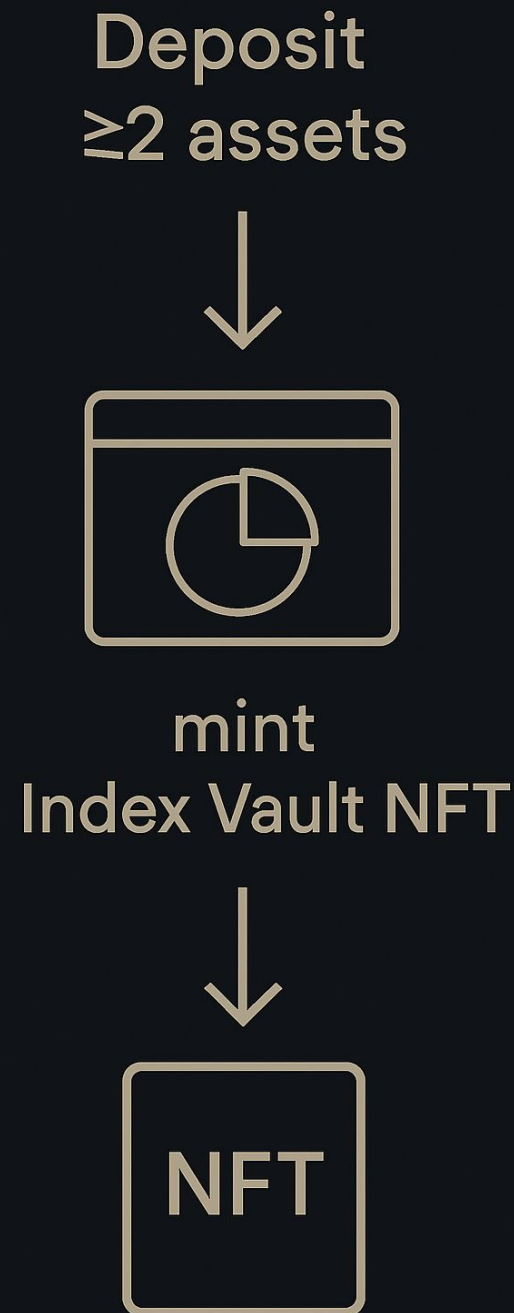# Sui Advantage → Objects → Vault-as-NFT
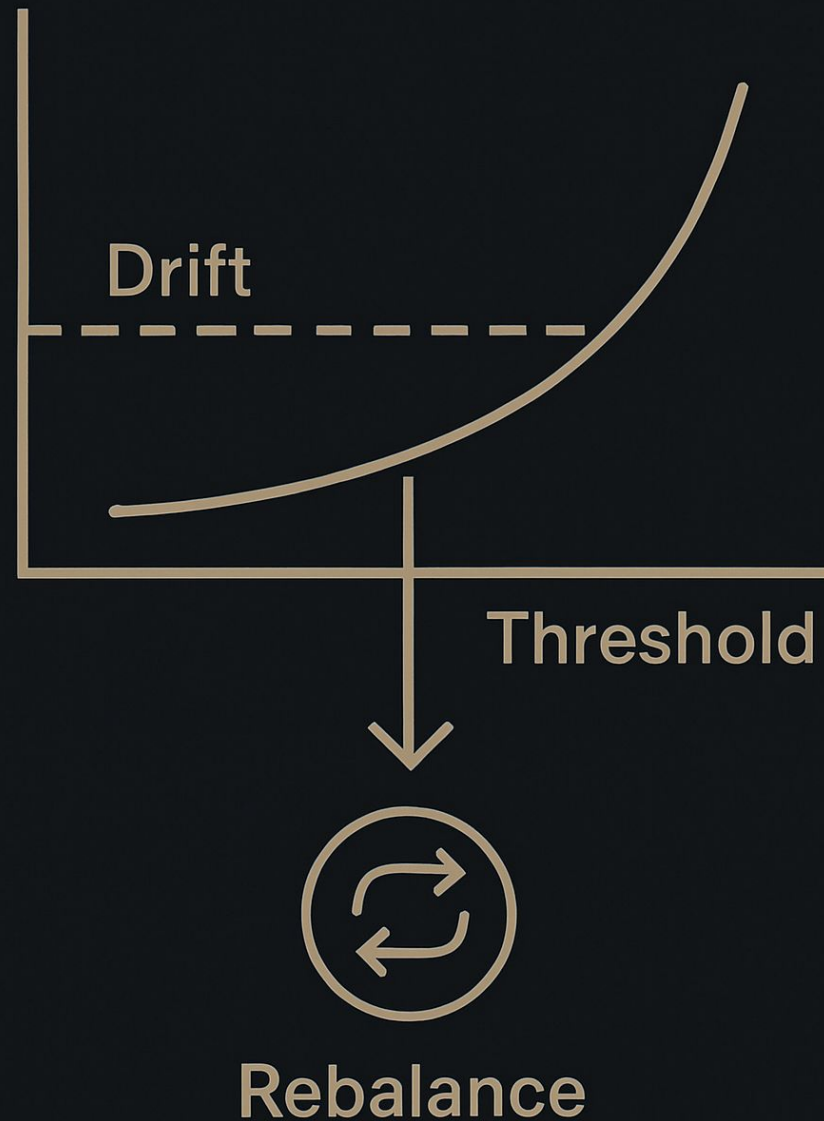
NFT

Vault

Tokens

- On Sui, everything is an object - Objects can own other objects

- Wrap a portfolio object inside an NFT object → a single transferable, auditable asset.

- DeepBook CLOB gives native, low-slippage liquidity for our trades

- Parallel execution & ~400 ms finality keeps atomic multi-asset rebalances cheap

Made with GAMMA

Index Vault NFT

Deposit
≥2 assets

↓

mint
Index Vault NFT

↓

NFT

- Your entire portfolio index fund in one token

- NFT container + policy plugins = DeFi vault that is this portable and programmable.

- Policy module stores target weights & executes atomic rebalances.

- Portability: sell / transfer the NFT to hand off the whole portfolio.

- Composability: use the NFT as collateral; list on NFT marketplaces.

Technical Deep-Dive — Time / Drift Rebalancing

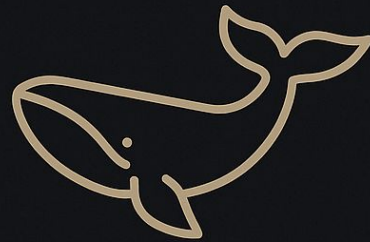
- Smart, gas-efficient, policy-controlled

- Time-based trigger (e.g., daily).

- Drift-based trigger: rebalance when deviation > X pp.

- Atomic trade bundle: single Move tx routes via DeepBook / AMMs, updates all balances.

- Guardrails: slippage caps, trade-count limits, price-feed sanity checks.

- Configurable per vault: intervals, thresholds, venues.
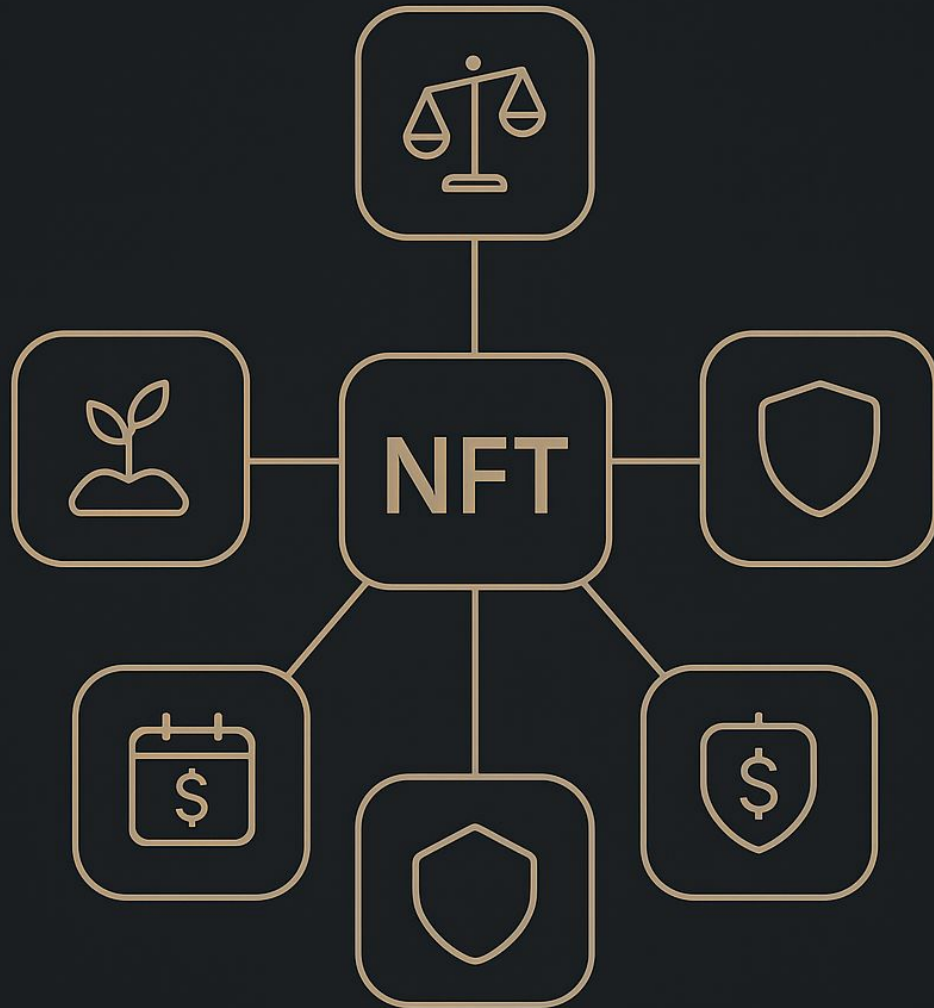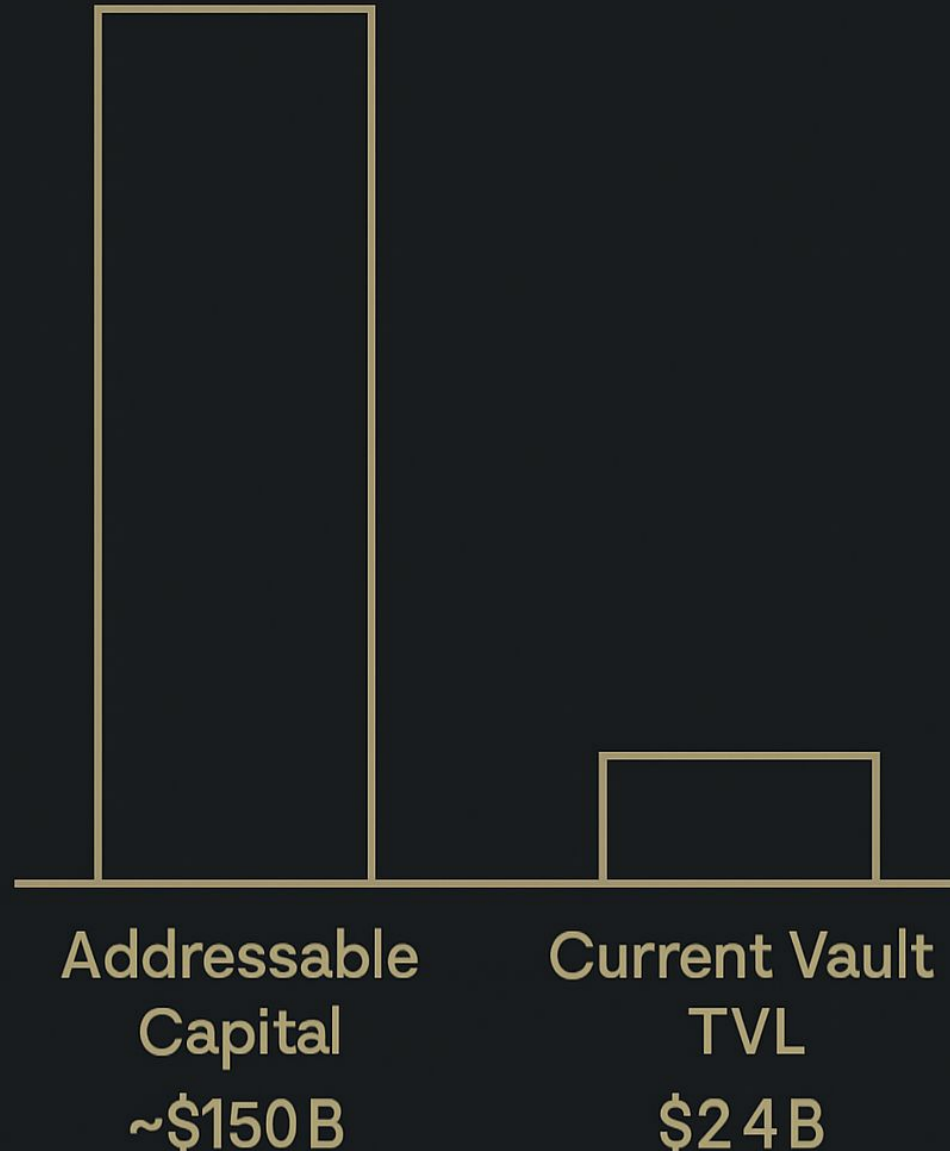
Rebalancing Use-Cases

- DAO Treasuries: diversified, policy-guarded reserves with on-chain transparency.

- Whales: one NFT to monitor, rebalance, or collateralize a 7-figure portfolio.

- Thematic Index Products: "Top-5 Sui" or "AI-tokens" vaults issuable by any asset manager.

- Yield Bundles (next): same vault primitive, policy shifts idle slice into best lending APY.

DAO Treasuries

Whales

Index Products

Yield Bundles

Vision — Open Policy Marketplace

- Vault NFTs become the "app store" of on-chain strategies

- Plug-in modules: Index Tracking, Yield optimization, DCA etc.,

- Goal: Vault NFTs = ERC-20 of portfolio management with Sui as execution hub.

Market Opportunity

Addressable Capital ~$150 B — Current Vault TVL $24 B

- TVL ≈ $2.4 B | 24 h fees $69 K | 7 d DEX vol $5.97 B (+41 %) (DefiLlama)

- DEX share of crypto volume already 13% and climbing. (DefiLlama)

- TAM:
DAO treasuries > $40 B; global DeFi TVL > $110 B (CoinGecko)

- Capturing 1 % of on-chain AUM ⇒ $1 B TVL ⇒ $10 M/yr at 1 % fee.

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Competitive Snapshot

Feature	Vault NFT (Us)	Enzyme	Index Coop	Yearn
Multi-asset vault	✅	✅	❌	❌
NFT portability	✅	❌	❌	❌
Plug-in strategies	✅	limited	❌	single-asset
Fast + cheap (Sui)	✅	❌ (ETH gas)	❌	❌

Path Forward: Roadmap

Q4 2025

Mainnet launch → $100 M Rebalancing, Yield-policy alpha.

Q2 2026

Policy Marketplace beta, cross-chain asset support.

Q4 2026

>$1 B vault TVL, governance decentralization, institutional pilot.

Vault NFTs turn entire portfolios into one atomic, composable asset—Sui's object model makes it real. Join us at the inflection point of DeFi asset management.

-   **Thank you**