System Overview

Admin user → **Connect Wallet**

Unique Vault User Flows by Clicking CTAs: **Create**, **Contribute**, **Invest**, **Govern**

1. Vault Formation

Configure Settings — Admin User ("AU") chooses Vault Settings:

Choose Vault Type — Determines the # and type of asset that can be contributed: **Single NFT**, **Multi NFT**, **Any CNT** (Doesn't impact the flow)

Choose Privacy Type: **Private Vault**, **Public Vault**, **Semi-Private Vault**

Private Vault — Unique Settings:
- **Asset WL**: NONE; AU submits assets
- **Contributor WL**: NONE; AU submits assets
- **Asset Window**: NONE
- **Investor WL**: only wallet addresses that can invest
- **Valuation Type**: Fixed & LBE

Public Vault — Unique Settings:
- **Asset WL**: Enter or upload csv of policy IDs for asset types acceptable during asset window
- **Contributor WL**: NONE
- **Asset Window**: DD:HH:MM
- **Investor WL**: NONE
- **Valuation Type**: LBE only

Semi-Private Vault — Unique Settings:
- **Asset WL**: Only assets with policy ID can be contributed
- **Contributor WL**: Only wallet addresses that can contribute
- **Asset Window**: DD:HH:MM
- **Investor WL (optional)**: only wallet addresses that can invest
- **Valuation Type**: LBE only

Common Asset Settings:
- **% of Assets Fractionalized** = XX.XX%

Common Fractional Token ("FT") Settings:
- **FT Token Supply** = xxx,xxx,xxx
- **FT Token Decimals** = integer between 1-9
- **FT Token ticker+ image** = ticker + image

Investment Window Settings:
- **FT Investment Window** = DD:HH:MM
- **FT Investment Reserve %** = XX.XX% (slip)

Liquidity Pool Contribution:
- **LP %** = XX.XX%

Termination Type: Select "DAO" OR "Programmed"
- **DAO**: Staked FT owners propose and vote to take actions
- **Programmed**: FDP = XX.XX%
  - **Timer**: Days, then list @ FDP
  - **Asset Appreciation** = list assets when an asset reaches XX.XX% of Vault Lock Price @ FDP
- **"FDP"** = % of the Floor (NFT) or DEX price; 100% = mkt price

Vault Governance Settings
- **See Governance Settings in Governance Flow Diagram. Only applies to DAO Vaults.**

2. Asset Window

Time = Asset Window

Private Vault is still editable by AU — **Private Vault Asset Window**
AU is directed to Asset Contribution UI screen to select assets from wallet and Add to Vault.

Public and Semi-Private Vaults lock, then Asset Window timer begins; cannot be edited by AU

Public Vault Asset Window — Any User can navigate to Open Vaults page, to select an Asset Window Vault, then select assets with WL Policy IDs and send to Vault.

Semi-Private Vault Asset Window — Only Whitelisted wallet addresses can navigate to Open Vaults page, to select an Asset Window Vault, then select assets with WL Policy IDs and send to Vault.

Asset Window Valuation = [Sum (NFTs x Floor Price) + Sum (CNTs x DEX Price)] @ END of Asset Window Snapshot

3. Investment Window

Time = Investment Window

When AU manually clicks Launch Vault, Investment window opens (Fixed or LBE). — **Private Vault Investment**

When Asset Window completes, Investment Window begins automatically and the LBE Begins — **Public Vault Investment**, **Semi-Private Vault Investment**

Valuation Types: **Fixed ADA Amount**, **LBE**

Any user can navigate to the Open Vaults page to select an Investment Window Vault, then click Send ADA to send some amount of ADA to that Vault

Vault Locks ONLY IF **total ADA received** by END of Investment Window is GREATER than (**Fixed ADA Amount** x **FT Investment Reserve %**)

Any user can navigate to the Open Vaults page to select an Investment Window Vault, then click Send ADA to send some amount of ADA to that Vault

If Invest WL is used, WL users can navigate to the Open Vaults page to select an Investment Window Vault, then click Send ADA to send some amount of ADA to that Vault

Vault Locks ONLY IF **total ADA received** by END of Investment Window is GREATER than (**Asset Window Valuation** x **Investment Reserve**)

If Vault Locks, ADA & FT are distributed, LP ADA & FT is sent to VyFi, while assets are locked in SC until Termination Criteria are Met. If Vault is NOT locked, all ADA and assets are returned to senders minus trxn fees; no L4VA platform fee is charged.
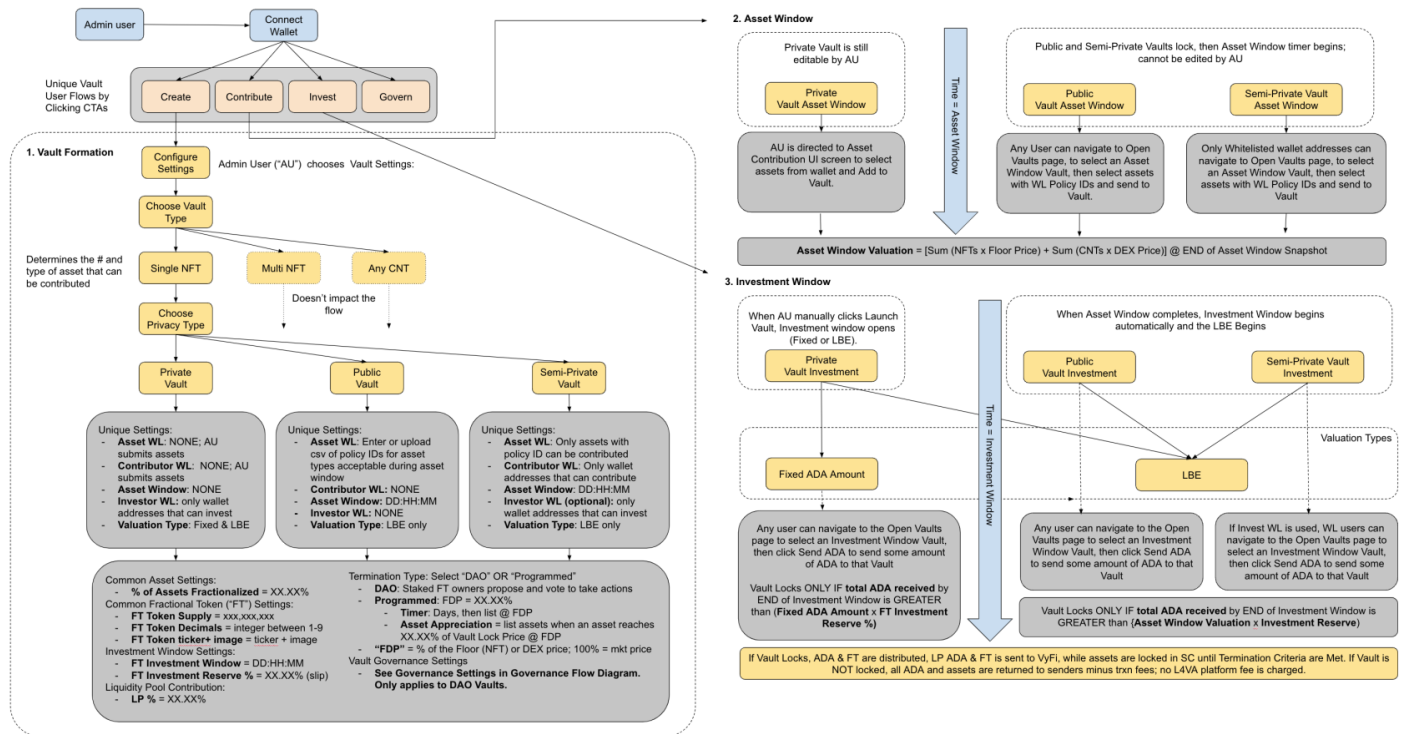

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