

Solana Token Vesting Smart Contract

A secure, flexible SPL token vesting contract built with the Anchor framework on the Solana blockchain.

Features

-  Token escrow via program-controlled PDA
-  Time-based vesting over a 36-month period
-  Optional start delay using start_timestamp
-  Manual release control using percent-based unlocks
-  Per-beneficiary vesting allocations via PDA accounts
-  Vesting cancellation with unclaimed fund withdrawal
-  Unclaimed token withdrawal after vesting ends
-  Rent refunds on beneficiary removal

Program Accounts

Data Account

Main vesting config account (1 per token mint).

Percent_available: u8 — % of total vesting released

Token_amount: u64 — Total tokens deposited for vesting

Start_timestamp: i64 — Vesting start time (UNIX)

Vesting_months: u8 — Total vesting duration (default: 36)

Initializer: Pubkey — Admin of vesting schedule

Claimed_total: u64 — Total tokens claimed by all beneficiaries

Unclaimed_withdrawn: u64 — Unclaimed tokens withdrawn post vesting

decimals: u8 — Token mint decimals

Beneficiary Account

Individual vesting allocation.

key: Pubkey — Beneficiary wallet

Allocated_tokens: u64 — Total tokens allocated

Claimed_tokens: u64 — Claimed portion

Instructions

Initialize

Create the DataAccount + escrow_wallet, and deposit tokens.

Initialize(amount: u64, decimals: u8, start_timestamp: i64)

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