

Daisy Crowdfunding Platform

Daisy protocol allows for an uninhibited IDO platform that works in a way that doesn't restrict its users to any extent while also delivering an unprecedented level of freedom for projects from various blockchains including Ethereum, Binance Smart Chain, and Tron to join and conduct IDO on the revolutionary Daisy Launchpad.

The main idea and concept behind Daisy is to facilitate and foster the growth of a manifold of projects in the Daisy ecosystem. Daisy launchpad is uniquely designed to be adaptive, fair, and welcoming to the projects of all rungs.

At the heart of the Governance in Daisy Ecosystem laurels community. The Governing method of Daisy is simple, democracy-driven, and overt. We are putting the community as a governing head because we believe in the fair vote by the majority. Daisy therefore is a democratized and permissionless way to invest in the early stages of promising incubated projects.

Glossary

Project - Project that has decided to raise money on the Daisy Crowdfunding Platform.

Participant - Community member, interested in buying project tokens.

Network - Blockchain network: TRON or Ethereum or Binance Smart Chain.

Raise token - Tokens that project raises. Likeliest candidates are USDT, USDC, DAI and (potentially) native network native tokens (e.g. ETH on Ethereum and BNB on Binance Smart Chain).

USDT - Example of raise token.

Project token - Utility tokens that a project sells in exchange for the raise tokens.

TKN - Sample symbol of project token.

DCO - Instance of token raise for the specific project.

DAISY - Daisy Token contract.

Referrer - Participant who's invited another participant.

Referee - Participant who's been invited by another participant.

EOA - Externally owned account - account, that has a private key (not a smart contract).

LP - Liquidity pool token for two assets (e.g. USDT<>ETH).

LM - Liquidity mining. Provision of liquidity to the LP with the goal of earning market making fees.

The first iteration of Daisy Platform will include IDO creation on the Tron network. Daisy V1 will include the simplest pathway for both users to participate in the fundraising part and project creators to foster development of their vision. Daisy takes a unique approach to structuring its IDO rounds. The key element and crux of our vision behind the structure of IDO is to provide as many opportunities for the widest array of investors. We tackle each sale round granularly and delegate to every single round the same level and degree of significance without giving preponderance to one or the other. Our goal is to create a homogeneous IDO platform that enables participants of every stage to have an equal opportunity of getting into the early sale.

The main utility cases for Daisy Token in its first iteration will include a slew of immediate advantages. It should be noted that the utility of Daisy token is underpinned to be operated within the platform itself. Therefore all of the interactions with the platform, rewards, discounts, and fees should aptly be paid in native digital currency of the platform - Daisy Token.

DAISY Token

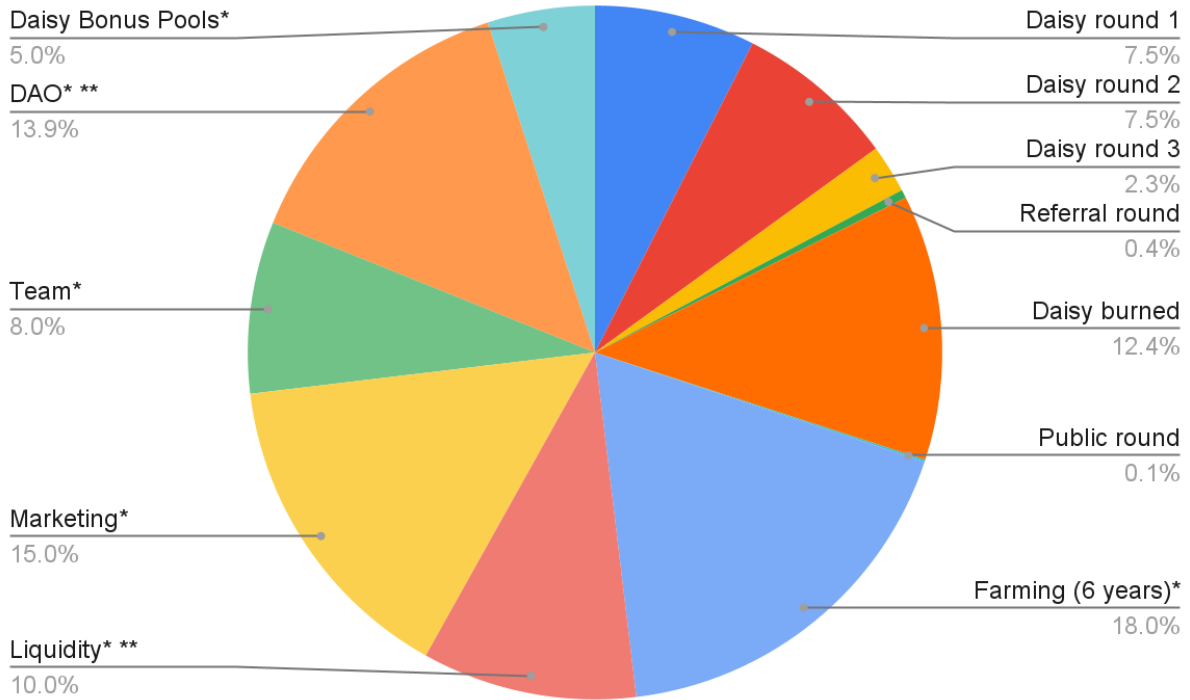
The native digital currency of the platform acts as an exchange, service, and distribution tool that incentivizes, upholds, and creates an intra-ecosystem economy. The crucial function of Daisy token also lies in the ability for each participant to stake it irrespective of the activity of the platform itself. Thus granting each member with acquired tokens a chance to immediately utilize them.

Utility of Daisy Token will include the following aspects:

- Staking boosters
- Project token discounts
- Referral activity bonuses
- Free project tokens per each DCO
- Governance rights

Initially available on TRON and ETH networks, Daisy token follows these set of rules:

- Be mintable up to a maximum cap
- Be burnable
- Have access control permissions for minter role
- Comply with EIP-2612 (permit)
- **NOT** be pausable



Token Distribution

*subject to lockup and burn rules

**revenue would be used for market making and buyback

Token Unlocks

Vesting contract for DAISY token unlocks would be available on TRON network. Linear vesting model is used to unlock tokens gradually instead of introducing a high pressure on a price right after the unlock.

Daisy unlock will start on 16th of August 19:30 UTC.

Tokens will be available during time:

Date	Percent of tokens available
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	Bought during the private presale	Bought during the referral round
16/08/21	5%	5%
14/11/21 (+90 days from start)	+5%	+10%
14/12/21 (+30 days)	+5%	+10%
13/01/22 (+30 days)	+5%	+10%
12/02/22 (+30 days)	+5%	+10%
14/03/22 (+30 days)	+5%	+10%
13/04/22 (+30 days)	+5%	+10%
13/05/22 (+30 days)	+5%	+10%
12/06/22 (+30 days)	+5%	+10%
12/07/22 (+30 days)	+5%	+10%
11/08/22 (+30 days)	+5%	+5%
10/09/22 (+30 days)	+5%	-
10/10/22 (+30 days)	+5%	-
9/11/22 (+30 days)	+5%	-
9/12/22 (+30 days)	+5%	-
8/01/23 (+30 days)	+5%	-
7/02/23 (+30 days)	+5%	-
9/03/23 (+30 days)	+5%	-
8/04/23 (+30 days)	+5%	-
8/05/23 (+30 days)	+5%	-

It will be a linear distribution: at 17/08/21 more tokens will be available than at 16/08/21. Unlocks for tokens bought during the referral round ends on 10/09/2022, for tokens bought during the private presale - 07/06/23.

After 90 days, every 30 days users will be available to withdraw 5% or 10% every month. Percent depends on purchase time: if a user bought tokens during the private presale, 5% of tokens will be available each 30 days. Otherwise, 10% will be available each month.

Staking

The value of staking on the platform is incentivization and facilitation of the community growth in an organic way. Staking is an essential part of Daisy Protocol that pursues to reward Strong Token Holders.

Instead of resorting to the obsolete reward system by mining, Daisy Protocol introduces a green staking reward solution that provides a sustainable yield that deducts from the platform fees:

- IDO creation fee
- Staking exit fee

With Staking functionality in place Daisy Protocol offers incentivization for Strong Token Holders that fosters community growth and lays a robust foundation of consolidating and encouraging current token holders to continuously aid in maintaining the platform's well-being whereas also expediting the growth and expansion of the Daisy Protocol itself.

Staking Tier System

Daisy Staking offers various tiers for participants . The main prerequisite in order to qualify for a tier is to stake Daisy token. Each staking tier is assigned according to the number of Daisy tokens staked. The system works by the order of magnitude.

The highest number of tokens staked will enable participants to acquire the highest tier which in turn will mean that more yield will be generated depending on the tier's degree. Each consecutive tier will have a graduated degree of yield increase. The highest tier will have a 100% chance of getting qualified for an IDO.

There is also a possibility of unstaking already staked Daisy tokens. Unstaking will not incur any fee after a 2 weeks period. If a user unstaked before 2 weeks period the percentage of staked funds will be deducted and redistributed amongst stakers.

Staking would have multiple boosters based on the DAISY amount, lockup period and the usage of the referral link.

Tier booster - reward multiplier based on the amount of DAISY tokens.

Lockup booster - reward multiplier based on the stake date.

Having a referrer booster - 1% booster.

Being a referrer - 5% of referees tier boosters. Maximum booster that can be rewarded for being a referrer is 20%.

Tier #	Threshold, DAISY in USDT	Tier reward, %	Vesting period, months					
			1	3	6	12	24	36
1	100	1%	1.0%	1.02%	1.1%	1.3%	1.5%	2.0%
2	500	2%	2.0%	2.03%	2.1%	2.5%	3.0%	4.0%
3	1000	4%	4.0%	4.1%	4.3%	5.0%	6.0%	8.0%
4	5000	8%	8.0%	8.1%	8.5%	10.0%	12.0%	16.0%
5	10000	16%	16.0%	16.3%	17.0%	20.0%	24.0%	32.0%
6	50000	32%	32.0%	32.5%	34.0%	40.0%	48.0%	64.0%

Tier Configuration Changes

Once a person receives the tier qualification, it's not changed or updated for the previous users. Each time the DAISY threshold T_i or tier booster B_{tier_i} changes, new users would qualify according to the new set of tier configurations. Contracts would react to quantity configuration change by solving:

$$S_{boosted\ total} = \sum_{i=0}^t S_{total_i} * (1 + B_{tier_i} + B_{lockup_i} + B_{referrals_i})$$

This means that we accumulate this value at any given time when the user or it's referee stakes or unstakes.

Project Token Rewards

In addition to DAISY tokens, stakers would be able to withdraw DCO token rewards Q_{token} from the staking smart contract. This is done by taking a total token reward Q_{token} and pro rating this reward for the current stakers. Reward for user j with stake S_j would be accrued based on:

$$Q_{token_j} = \frac{S_j * Q_{token}}{\sum S_{boosted\ total} - \sum S_{boosted\ total_j}}$$

Flash Loan Prevention

Flash Loan attacks have become prolific in recent years as the popularity of interest-less, instantaneous and logically-infallible loans have taken the crypto market by storm. In essence, flash loans allow easy and accessible lending of funds that are underpinned and tied to SC.

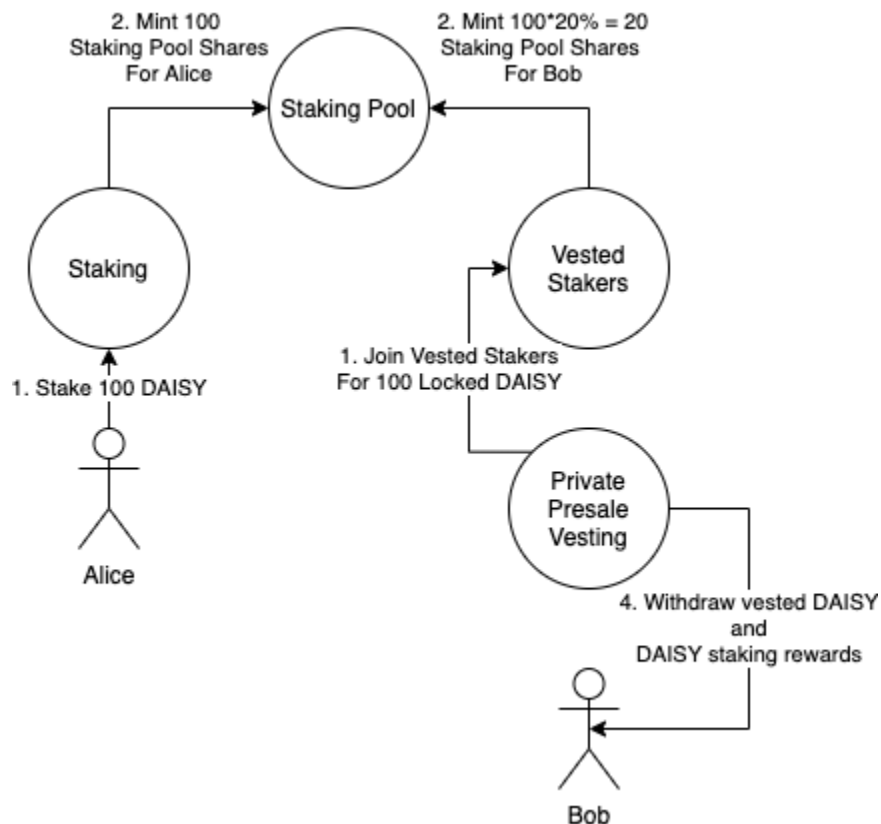
The flaws within smart contracts and in general negligence around configuration of loan systems has exposed many projects to a risk of exploits that ultimately led to the unfathomable losses.

Daisy aims at rectifying the common mistake of flash loans and implements a preventative heuristics in place. To avoid the scenario where DEXes full balance is loaned in order to manipulate booster parameters, 1 block must pass between staking and unstaking actions. In this vein

Vested Staking

Daisy introduces a new paradigm in staking schema. Instead of waiting for tokens to unlock, Daisy's new Vested Staking system allows members to transfer their yet locked unstaked tokens to the staking Smart Contract. In this vein locked tokens will be accruing a certain interest despite being essentially locked in the vesting period.

The following schematic represents the gist of the idea:



Vested Staking

Once a staking contract is live, locked stakers would be able to transfer their locked funds to the staking contract. Locked value cannot be unstaked before the due date. Locked stakers would receive a 20% from staking rewards.

Yield sources

- Project application fee
- Staking early exit fee
- LM program fee
- DCO buyback staking fee
- Yield farming budget

Staking Exit Fee

A 5% staking fee is applied to the user's stake (but not to the rewards) when the user exists before the due time. Time multiplier is attributed proportionally to the time spent in the pool.

Decentralized Crowd Offering (DCO)

One of the latest budding branches that sprouted from IDO is DCO (Decentralized Crowd Offering). At the helm of the DCO concept stands [Daisy Team](#). Daisy encapsulates a community incentivized entity that not only has garnered an impressively large base of members but also has been constantly delivering and innovating in the realms outside crypto. Before delving deeper into the Daisy Launchpad Platform, it is reasonable to look at what kind of ramification DCO is and how it differs from the previously mentioned options on the market.

Essentially, DCO expansively encompasses the community aspect and empowers it by delegating most of the decision-making to the members of the community. The community has a direct contribution towards the vision of the platform, the selection process of projects to be incubated, and conditions that a project should fulfill in order to be approved.

Daisy's idea is to bring an interconnected and solidary community together in order to launch projects based on the majority's decision rather than unilateral elections.

What distinguishes Daisy's approach from the rest is that it's an interoperable cross-chain platform that aims at taking under its umbrella any project irrespective of the blockchain they are built on. The main idea of Daisy is to systematically help the growth of projects with a uniform distribution across sales rounds.

Close relations to the biggest investor groups out there allow Daisy to ensure a project to have sufficient funding during DCO and expose it to as much publicity as possible to further increase a chance of reaching a projected goal. One of the features of Daisy is its approach to solving the problem of management.

Daisy prioritizes community and incentivizes the platform and its members to cohabit rather than segregating them in groups.

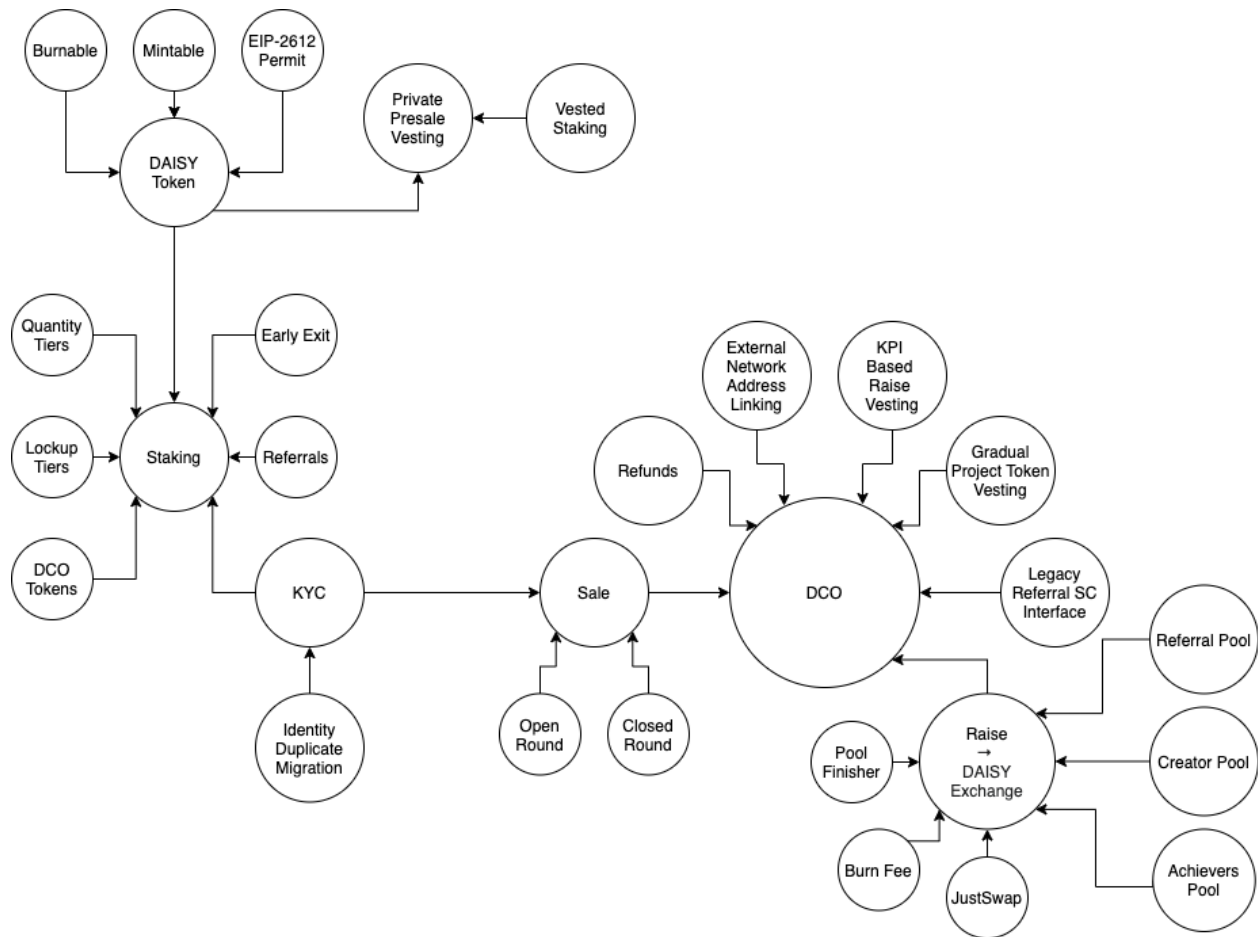
Decentralized Crowd Offering (DCO) is a high raise high margin token raise that creates a network effect by having a peer-to-peer marketing.

Community rewards

- Referral Pool rewards.
- Achievers Pool rewards.
- Selling project tokens
- Free project tokens for stakers.
- Growing token value with project's success.
- Unique benefits for participating in each project.

Project benefits

- Access to an international community of long-term supporters.
- Network effect with focus on high raises.
- Consultancy and additional services: business, legal, technical and tokenomics.
- Gradual (linear) vesting schedule ensures project's long-term support.
- Liquidity mining program as a token utility.



Architecture Components

Rounds

DCO Participation demands that participant's address must be present in a KYC's whitelist. Two rounds exist for the DCO:

Daisy Round - this one is specific and unique to the Daisy Crowdfunding Platform. It offers incentivization for Daisy Token holders and allows for one of the main utilities of the token. Daisy Round is community-driven and emboldens Strong Token Holders to compete. Only available for stakers, qualified according to Referral Link Eligibility rules (this value would be fixed in DAISY tokens before each DCO), grants a 20% token price discount.

Open Round - activates 5 days after the DCO starts. Available for each KYC'd participant.

Exclusive DCOs

Projects with low raise would provide lottery based access. Lottery tickets would be distributed across the top tier stakers. Lottery tickets would be randomly distributed among DAISY stakers who joined the DCO.

Structure

Each DCO participant starts with a limited allocation. Allocation grows as stake growth. DAISY staking requirements are configured and recomputed on a per-pool basis.

Maximum Allocation, USDT	Required DAISY in USDT	Duration, hours	Price Discount
500	100	24	1%
1000	500	+24	1.25%
5000	1000	+24	1.5%
10000	5000	+24	3%
50000	10000	+24	6%
Unlimited	0	Rest of DCO	0%

Daisy Round goes first. Daisy Round lasts most of the presale duration. All project tokens could be purchased in a Daisy Round. Open Rounds starts after Daisy Round ends. 90% of project tokens goes to a Daisy Round.

DAISY Referral Link eligibility

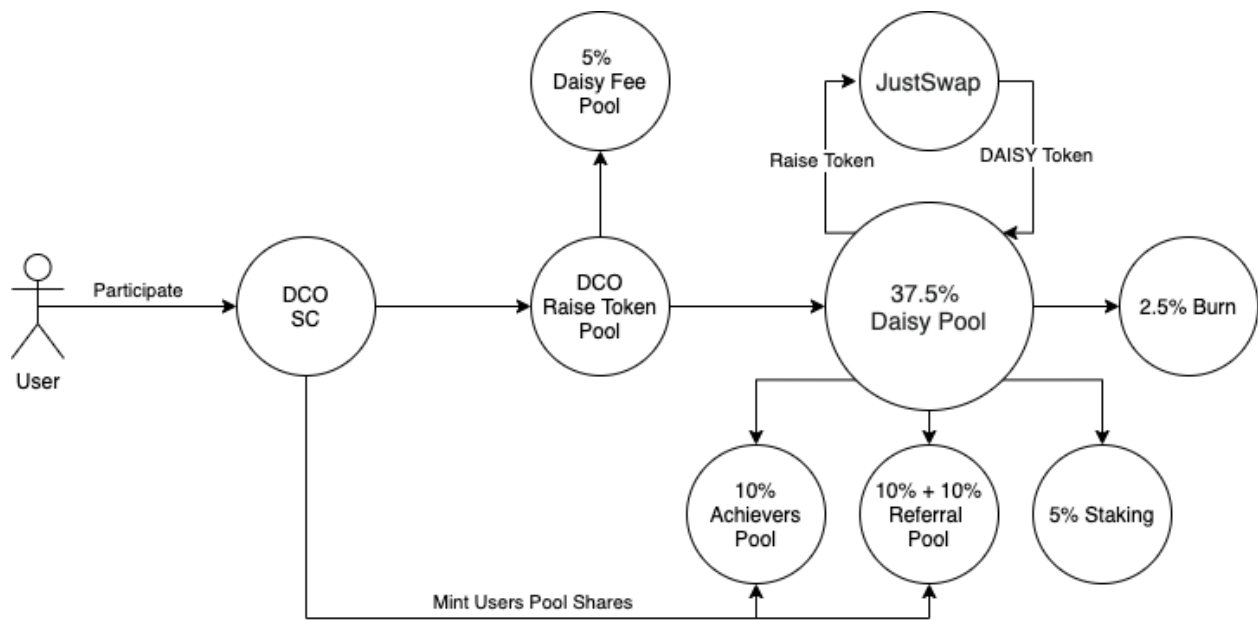
100 USDT in DAISY is needed to get a valid referral link.

KYC

KYC is an essential tool that aids in establishing trust and integrity for both parties: platform itself and users interacting with it. Each KYC is bound and introduced based on the project incubated and preliminary determined conditions.

The KYC process hinges on a company's country of residence, KYC provider and is bound to be expounded in detail. Initially, the KYC solution will be conducted manually, by an external KYC provider. If KYC is necessary, people will submit their KYC application via a google form or other external sources. It then is transferred to the tech department for assessment of a KYC-d users list of addresses. Only these addresses will then be eligible for participation in the DCO.

DAISY Reward Pools



Reward Pools

There are 3 pools on a platform: Referral Pool, Achievers Pool, Daisy Fee Pool. All raised USDT is swapped to DAISY tokens via DEX smart contract. 2.5% of all swapped tokens are burned, 5% of all swapped tokens are sent into staking, 7.5% are used for direct referral bonuses, 5% go into Achievers Pool. Swap must only be done by an admin EOA to avoid the possibility of a flash loan attack.

*Reward structure percentage rewards can vary depending on a project. This is because different companies may offer more token benefits, but less profit margins.

Reward structure	Reward percentage, %
Tier 1 Referral (*or breakage)	10%
Tier 2 Referral (*or breakage)	10%
Achievers Pool	10%
Burn	2.5%
Staking	5%
Daisy Fee Pool	5%

*If no referrer is found, a fee would be sent to the breakage contract.

Referral Pool

Pool for referral bonuses that referrers receive. Referral Pool shares are minted based on the USDT amount and a percentage multiplier (e.g. 100 USDT * 10% referral reward = 10 pool shares). A referee can set a referrer only once (referrer cannot be different for different DCOs).

Achievers Pool

Pool for the most active participants. 10% of raised funds are distributed at the end of each DCO. To receive Achievers Pool shares at least two groups must produce 5000 USDT in volume with no more than 2500 USDT coming from one group. Unlimited number of groups can participate. Unlimited number of shares can be earned each DCO.

Daisy Fee Pool

Pool for development team to support project screening and development costs.

Referrer Eligibility Transfer

Some accounts may become ineligible for DCO and staking after the KYC. The following functionality must be kept for such accounts:

- Receive Private Presale Vesting rewards.
- Participate in Vested Staking.
- Can't receive Achievers Pool shares.

Daisy Protection - Refunds and KPI unlocks

The main point of contention when it comes to new projects being released is the lack of trust. IDO platforms in general do offer a far more secured environment and conditions that alleviate some of the most egregious potential loopholes that insidious and untrustworthy project owners may exploit.

This becomes loud and clear if we are to look at the recent statistics. Despite an astounding growth of the cryptocurrency market in the last year, the actual events of scams and hacks have actually dropped quite substantially. In 2020 the overall rate of crypto crimes was down 57% from 2019, dropping to \$1.9 billion. Also, the average value taken by criminal actors was 160% higher in 2019 than in 2020, despite the similar number of crypto frauds.

This statistic actually correlates quite well with the relatively new trend of IDO platforms. Which leads to a reasonable but not necessarily factual conclusion that IDO platforms do offer a far safer option when it comes to pre-listing sales.

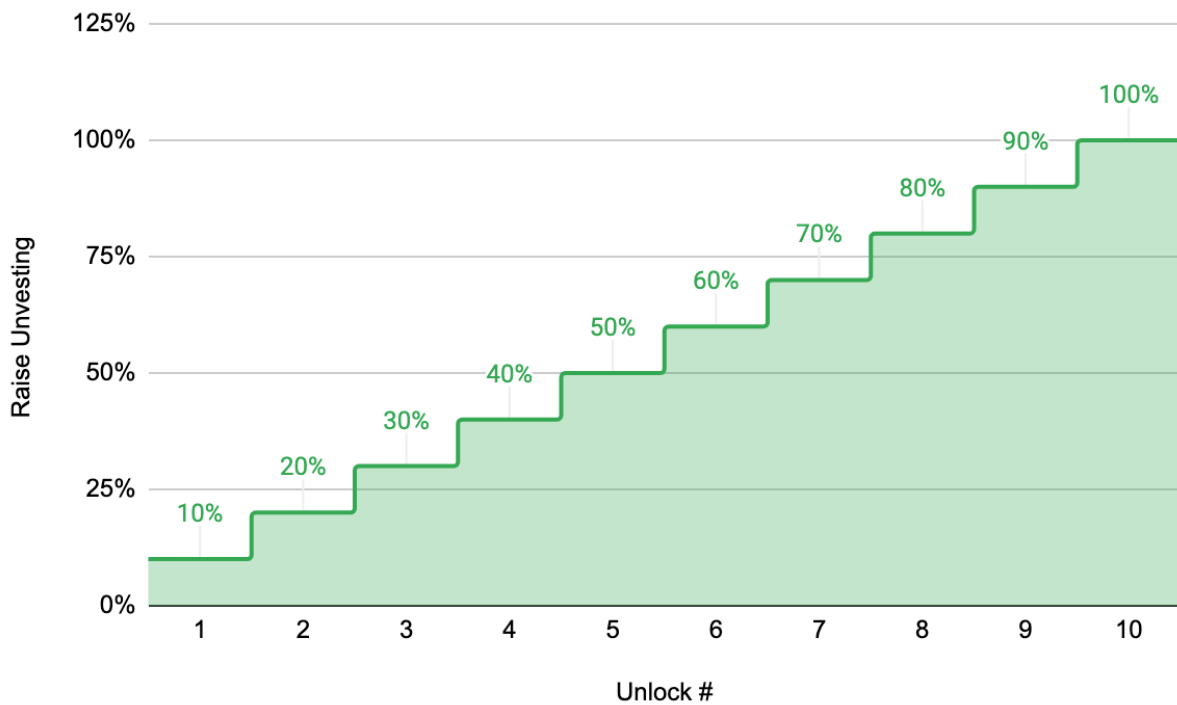
Bearing that in mind however, we are still seeing quite a plentiful number of news released on a routine basis stating about a new "rugpull" misfortune. With there still being exploitable avenues and a clear lack of security for investors, it becomes increasingly more arduous to attract new people in the industry which also precludes cryptocurrency mass adoption in general.

Daisy sets off to rectify the notorious degree of untrustworthiness on IDO platforms by introducing Daisy Protection

When DCO ends, 10% of the raise is released to the project. Further unlocks are possible only once the agreed-upon KPI indicators are met. More refunds are issued at the early stage, less rewards are issued later on. Total of 37.5% is not refundable (these funds go to a referral program). Unlock becomes available once the KPI is not met. Tokens must be brought back in order to get back the provided USDT. If a full refund is issued, all project tokens are exchanged for USDT.

To issue a project unlock or refund, ruling court addresses must reach a quorum majority to issue token unlock for a project. Ruling court addresses are different from configuration change addresses, this list is managed by the project founders instead of developers.

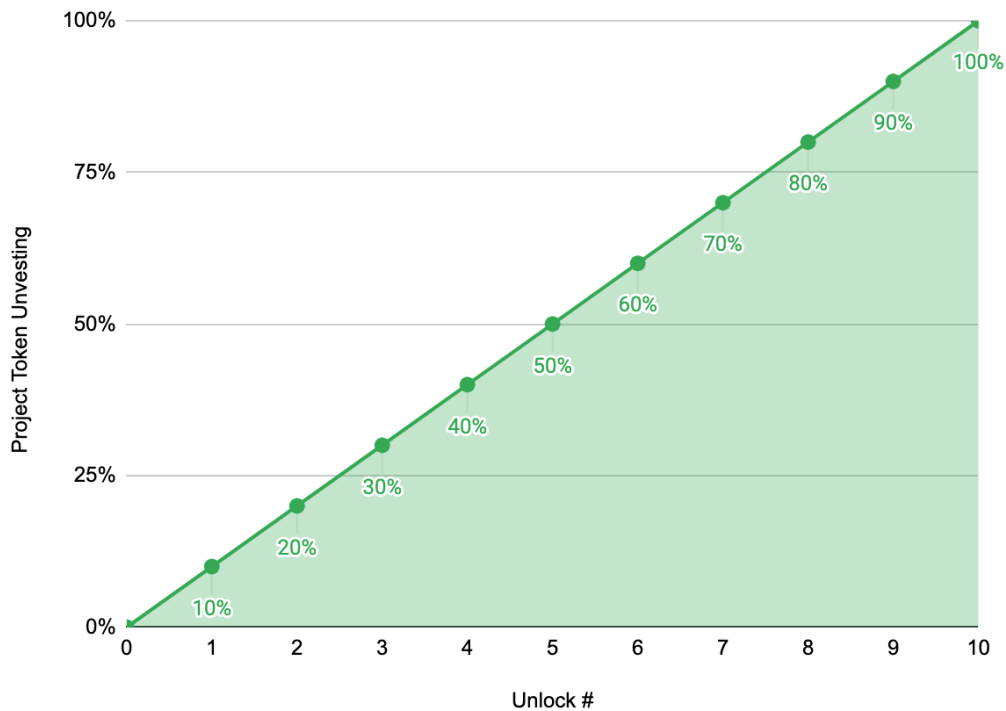
If a refund is issued, a raised token would be available for the next 30 days. Everything that hasn't been refunded would be transferred to a project.



Raise Token Vesting for Project

Vesting

Initial cliff with gradual vesting is used for project tokens unlocks. No immediate unlock happens, tokens are unlocked gradually each second.



Project Token Vesting

Governance-related configuration changes

System configuration changes are done from a governance contract. At least 5 addresses would be used to perform maintenance-related system upgrades. Admin issues a proposed configuration change for the contract with a list of arguments. TRON's native multisig is used for the TRON network. Gnosis is used for other networks. Quorum must be reached to execute the transaction configuration:

$$quorum\ reached = \lfloor \frac{Q_{governors}}{2} \rfloor + 1$$