

Tokenomics **Whitepaper.**



Tokenomics

We transform the affiliate marketing landscape

The Cryptaine Affiliate Platform is a blockchain-based affiliate platform connecting vendors, affiliates, and users worldwide in a trustless and fully decentralized system. Cryptaine aims to leverage the potential of blockchain technology to transform the affiliate marketing landscape.

As the Blockchain-Based Affiliate Marketing Platform, Cryptaine provides a transparent, fair and inclusive referral ecosystem for vendors, affiliates and users. It offers a decentralized platform for secure and reliable tracking and execution of referrals and commissions.

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CRYToken

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Introduction

The Cryptaine Affiliate Platform is a blockchain-powered affiliation system designed to connect vendors, affiliates, and users within a secure environment. Through the Cryptaine platform, all parties can participate in a transparent and trustworthy ecosystem where referrals, commissions, and platform interactions are securely managed on the blockchain. One core component of the Cryptaine Affiliate platform is the \$CRY token, which is the native utility token of the platform and is responsible for regulating demand for services, Affiliate budgets, and incentive & mechanism design. The main objective in the Cryptaine economics and incentive design is to foster sustainable growth by aligning incentives for all participants. This short paper on the token-economic model describes the core elements of the Cryptaine economy. For more detailed information on the Cryptaine platform refer to the “Cryptaine Whitepaper”.

For considerations in our economic design, we can categorize the actors participating in the Cryptaine economy as follows:

- **Vendors:** Offering campaigns and/or selling products on the Cryptaine Platform
- **Affiliates:** Participating in the Cryptaine platform to earn commission on sales
- **Users:** Participants of the platform that do not engage directly in Affiliate activities

This document provides an overview of the utility-based tokenomics model for the \$CRY token, focusing on its role in facilitating platform access, transaction efficiency, and engagement incentives.

Design of the \$CRY Token

The design of the \$CRY token ensures the seamless operation of the Cryptaine platform by supporting transactions, incentivizing engagement, and enhancing platform accessibility. The economic framework follows key principles to maintain stability:

1. Native Utility Token: \$CRY is the primary medium for interactions within the platform.
2. Total Supply: \$CRY total supply is capped at 25 million tokens
3. Adaptive Economic Model: The issuance and utility mechanics are designed to align with platform demand.
4. Incentive Structures: Platform-generated \$CRY revenue is allocated to incentive pools to promote participation.
5. n is a predetermined time period to measure the economic performance of the Cryptaine platform. n will be set to $n = 30 t$ on platform launch and then in the future be set as $n = 365 t$, while t is the blocks per day for the operating chain.

The \$CRY tokens provide several key functionalities across the Cryptaine platform, ensuring a structured and transparent user experience:

Access to Platform Features

Depending on their \$CRY holdings, users, affiliates and vendors can unlock different access tiers, each offering unique benefits.

Incentives and Rewards

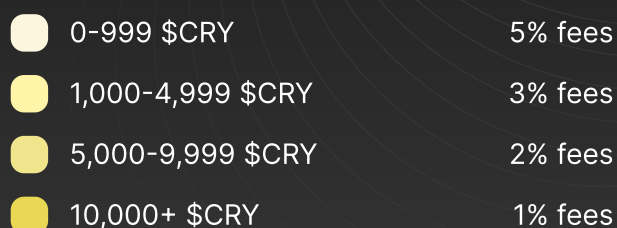
\$CRY tokens support growth by incentivizing platform activity and facilitating lower fees for high-tier users.

Platform Sustainability

The \$CRY token economy is designed to ensure long-term stability and sustainability by maintaining a balanced ecosystem that aligns incentives for all participants

Built-in Platform Demand

A The more \$CRY tokens a user holds, the lower are their platform fees.



0-999 \$CRY	5% fees
1,000-4,999 \$CRY	3% fees
5,000-9,999 \$CRY	2% fees
10,000+ \$CRY	1% fees

Key Features and Incentives of the \$CRY Token

Tiered Access and Feature Unlocking

Users, affiliates and vendors will be able to unlock various benefits depending on their active \$CRY holdings. Key features available to token holders can include:

- **Reduced Platform Fees**

Transactions within the Cryptaine platform will be subject to platform fees. Any user, affiliate or vendor who holds \$CRY tokens can be eligible for lower transaction fees, incentivizing active platform engagement.

- **Enhanced Analytics Access**

The world of online marketing and affiliation systems is widely impacted by the vast amounts of data that is collected by parties. Cryptaine aims to democratize the access to data, other big players keep for themselves. Access to advanced demographic and campaign analytics, providing deeper insights for strategic decision-making can be granted to holders of the \$CRY token. This allows vendors and affiliates to understand their target groups better and make more well informed decisions.

- **Priority Placement in Marketplace Listings**

Vendors that are participating in the Cryptaine ecosystem can benefit from increased visibility for campaigns, allowing them to reach a wider audience and attract more Affiliates.

- **Premium Marketing Insights**

The highest premium tiers of the Cryptaine platform can allow access to exclusive data and tools that help optimize marketing efforts and maximize campaign performance for all affiliates and vendors across the Cryptaine ecosystem.

These features and benefits create a supportive and growth-oriented environment, empowering both vendors, affiliates and users to succeed within the Cryptaine ecosystem with the help of the \$CRY token.

Vendor and Affiliate Benefits

Lower Platform Fees

Vendors and Affiliates that unlock \$CRY token benefits enjoy reduced platform fees, incentivizing active participation within the Cryptaine ecosystem, and supporting a stable and balanced economy.

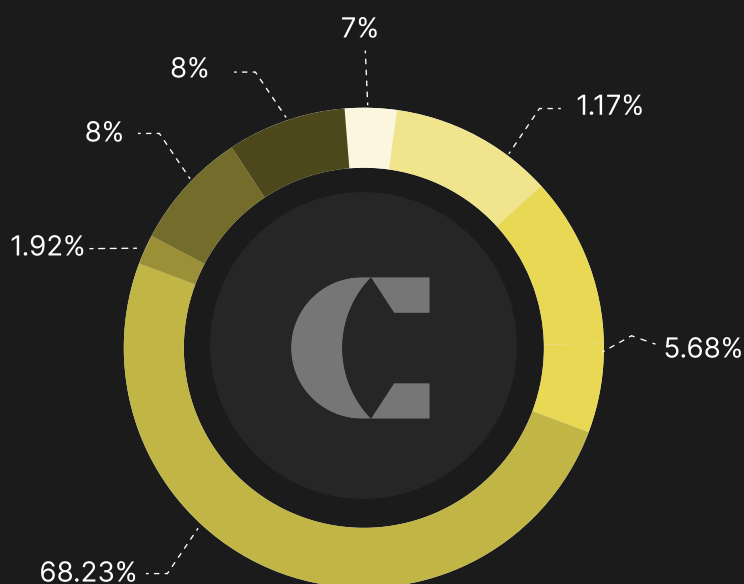
Balanced Economic Framework

To promote economic stability, Cryptaine utilizes a structured approach to token management:

- **Balanced Token Circulation:** Token distribution is adjusted in relation to platform activity to support sustainable development.
- **Strategic Allocation Measures:** Resources are periodically set aside to enhance long-term platform operations.
- **Adaptive Supply Management:** Instead of speculative token reductions, allocations are optimized based on ecosystem demand.

This approach ensures that the token remains functional and integral to the platform without relying on artificial scarcity.

Token Allocation



Seed Sale	1.750.000
Strategic Sale	292.500
Liquidity	1.420.000
Treasury	17.057.500
Advisor & Affiliate	480.000
Core Team	2.000.000
Marketing	2.000.000



Token Sale

8.17% Released to the community to ensure a board initial distribution.



Treasury

68.23% reserved for platform upgrades exchange listings, ecosystem growth, and further expansion.



Market Availability

5.68% Tokens to increase the availability of \$CRY at the open market.



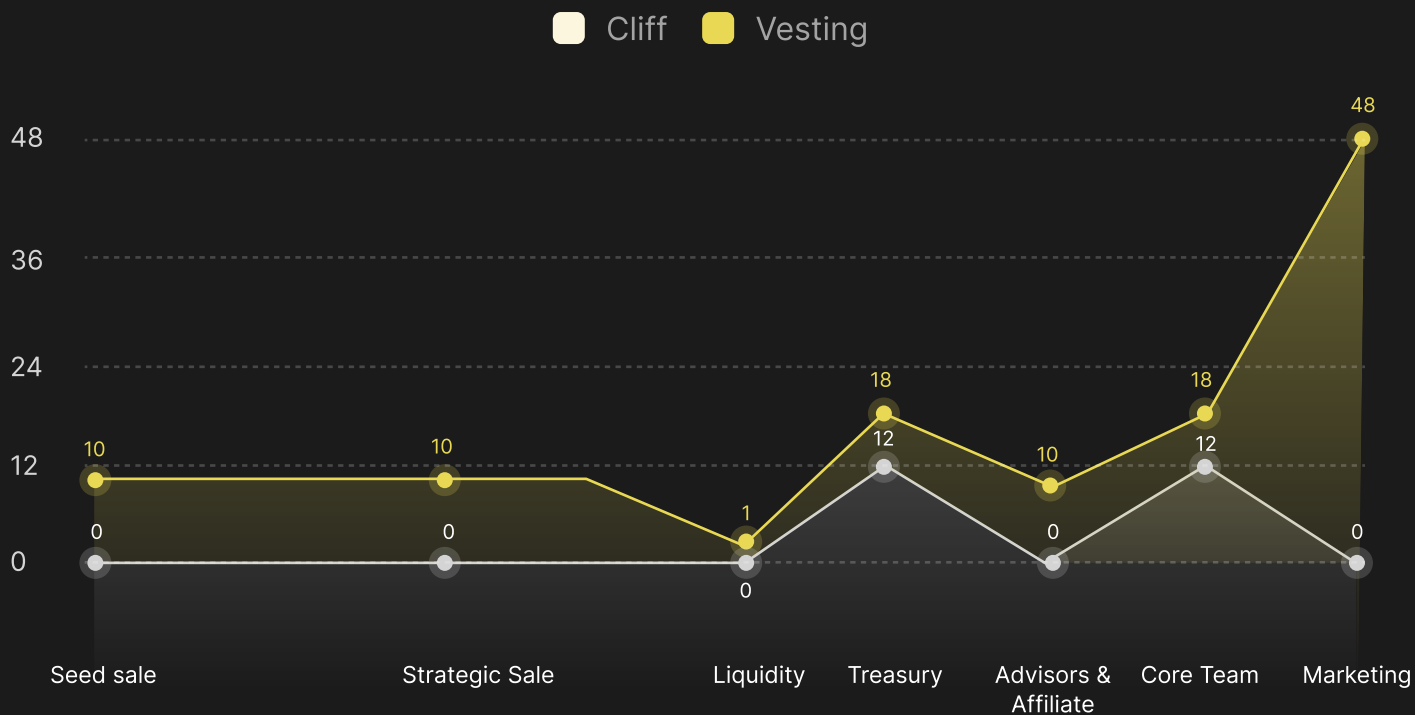
Core Team & Marketing

16% Vested gradually to align team incentives with long-term platform success. Marketing is directly used to increase the awareness of the Cryptaine ecosystem.



Advisors & Affiliates

1.92% Dedicated to incentivizing advisors and affiliates for the Cryptaine platform.



	Token Allocation	TGE	Lock (Cliff) Months	Vesting (Months)
Seed Sale	1.750.000	<div><div></div></div> 15%	0	10
Strategic Sale	292.500	<div><div></div></div> 15%	0	10
Liquidity	1.420.000	<div><div></div></div> 50%	0	1
Treasury	17.057.500	<div><div></div></div> 0%	12	18
Advisors / Affiliate	480.000	<div><div></div></div> 15%	0	10
Core Team	2.000.000	<div><div></div></div> 0%	12	18
Marketing	2.000.000	<div><div></div></div> 0%	0	48
Total	25.000.000			

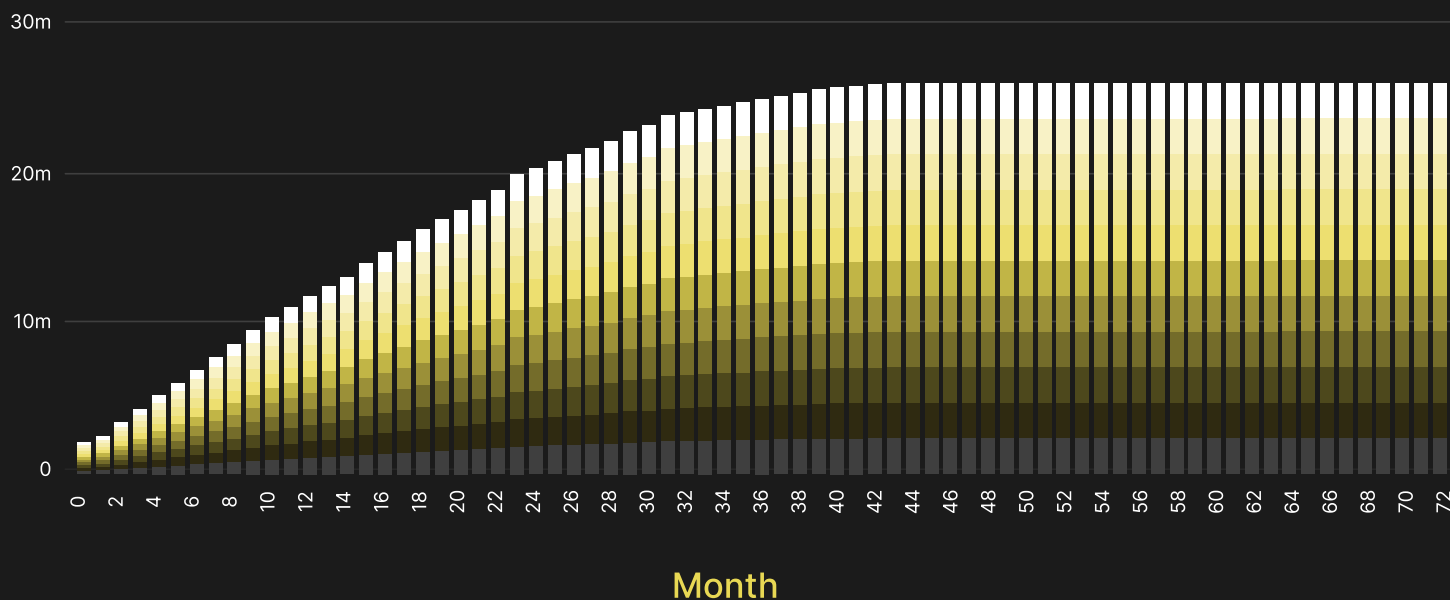
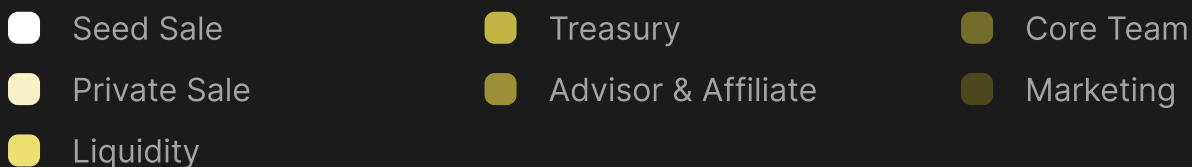


The Cryptaine tokenomics framework applies specific vesting schedules, which are essential for managing the distribution of Cryptaine across various allocations over a 48-month period.

Cliff Period: This is a set period during which no \$CRY tokens are released. After this period ends, a portion of \$CRY tokens is released according to each allocation.

Vesting Schedule: \$CRY tokens are released incrementally, in line with each of the specified allocations.

Cumulative Unlocks

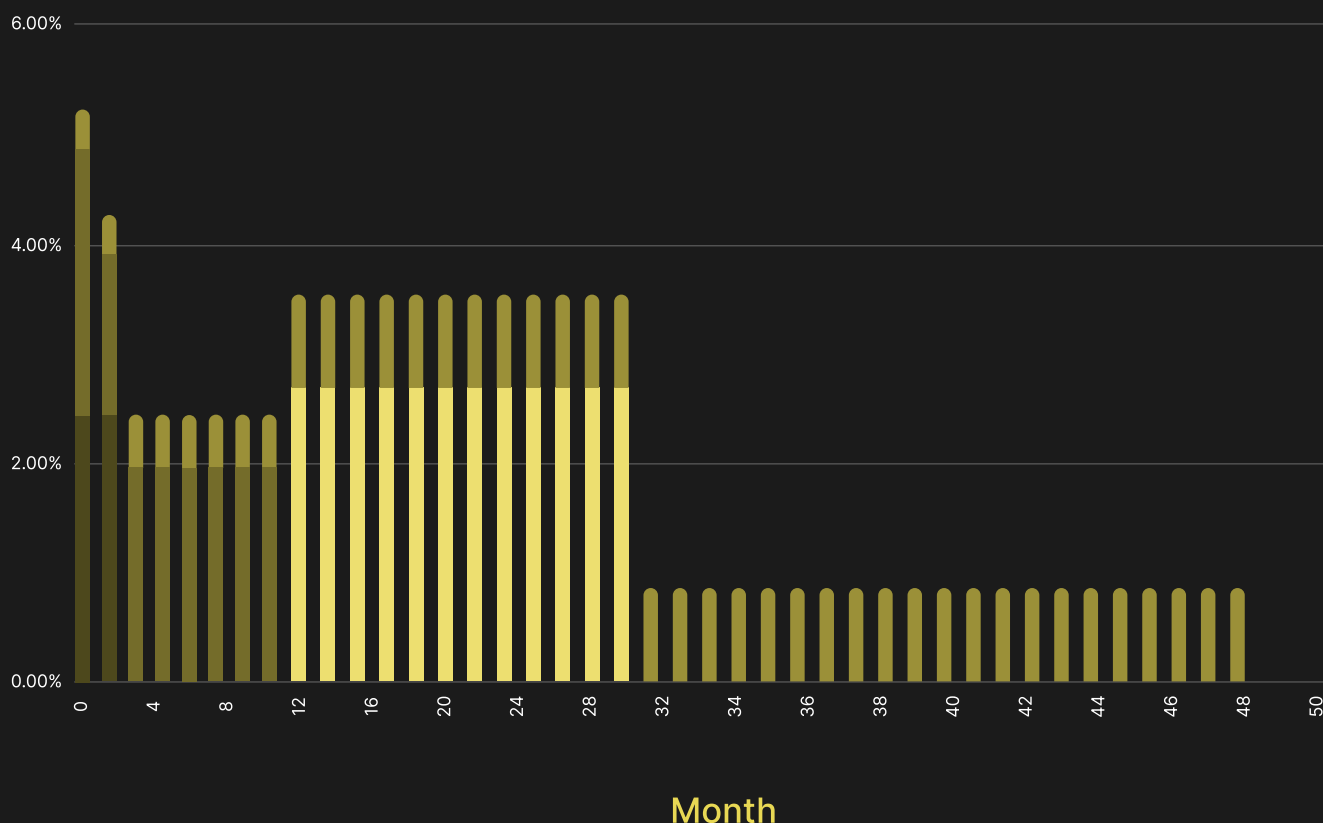


The cumulative unlock chart displays the total volume of \$CRY Tokens scheduled for release over time, combining both the initial cliff period and the following vesting stages.

This measure is key to understanding the overall circulation and availability of \$CRY Tokens at any given moment, reflecting the gradual increase in accessible tokens as they continue to be unlocked.

Monthly Unlocks

- Sale + Advisors
- Core Team & Marketing
- Liquidity
- Treasury



The monthly unlock period chart for \$CRY tokens illustrates the steady release of tokens according to a set schedule.








It offers a clear view of how the token supply will gradually enter circulation, showing the potential effects on token availability and market trends.

Additionally, the chart predicts price movements related to supply and helps set expectations regarding liquidity and dilution.

Executive Summary

The Cryptaine tokenomics model ensures a balanced, transparent, and sustainable ecosystem that benefits all participants. By using the \$CRY token as a core utility, it aligns incentives for vendors, affiliates, and users to drive engagement and growth. Features like tiered benefits, incentive pools, and balanced economic framework for platform stability and long-term economic health. With controlled token emissions, flexible incentives, and thoughtful allocation, Cryptaine adapts to market changes while ensuring fair rewards and sustainable growth.

CRYPTAINE Token Info

 Total Supply	25.000.000
 Ticker	\$CRY
 Chain:	BASE
 Seed Sale	1.750.00
 Strategic Sale	292.500
 FDV Fully Diluted Value	10.000.000
 Initial Market Cap	122.500

CRYPTAINE Sales Structure

	Token Allocation	TGE	Price \$	Total Raise \$
Seed Sale	1.750.000	<div><div></div></div> 15%	0,15	262.500
Strategic Sale	292.500	<div><div></div></div> 15%	0,25	73.125
Launch	306.375		0,40	

Incentive Design

Below we present a proposal for incentive design within the \$CRY economy. It is important to note that due to the evolving nature of web3 as a space, tokenomics as a profession and the general Affiliates market, the incentive structure can change in order for the Cryptaine platform to stay competitive and relevant.

Vendor Budgeting

Vendors on the Cryptaine Platform are entities that offer campaigns for products or services. Affiliates can then choose to participate in these campaigns to earn commission payouts for sales they convert through marketing campaigns on their respective platforms. The budgeting for campaigns is set by vendors. For each campaign the budget can be set as

$$b_v = (1 - \alpha)b + \alpha b + \lambda't$$

where b_v is the total campaign's budget after setting the total subsidization through λ and α is the campaign setting ratio chosen by the vendor which both are added to the initial budget set by the vendor, represented by b . t is the amount of \$CRY token added to the budget, for simplicity αb describes the amount of \$CRY tokens involved in setting the total budget b_v . This budgeting assures that the vendor can choose to set the budget for the campaign in the cryptocurrencies he wants. If vendor B sets his Budget b with $\alpha = 1$ in \$CRY, the individual VendorAllocationRate λ' will be λ_{max} . While a lower ratio of α will consecutively lower the allocation λ' , further incentivizing the use of the native \$CRY token in the circular Cryptaine economy.

User Affiliate System

Cryptaine enables every user to support their favorite brands and projects through individual Affiliate programs. Users that lock their \$CRY token are eligible for individual Affiliate rewards. Rewards are defined as a function of stake, time, and Affiliate engagement performed by each individual. Rewards are set according to the UserAllocationRate, which is further explained below. Rewards are fixed for each time period n and distributed at the end of each period.

Affiliate Contract Earning System

The equivalent of traditional Affiliate links in Web2 in Web3 will be Affiliate Contracts. These are specifically designed smart Contracts that ensure a trustless, transparent, and fully automated system for the exchange of value between vendors and Affiliates. This ensures that every Affiliate gets rewarded instantly powered by the decentralized economy.

To be eligible for additional feature access and higher commissions, Affiliates can lock their \$CRY token. Through locking their tokens, Affiliates get access to exclusive content of the platform as well as priority campaigns and various other benefits. Only active Affiliates are eligible to lock their tokens, as performance is tracked throughout each locking period n .

Rewards for Affiliates are set by the `AffiliateAllocationRate`, and distributed at the end of each period n .

Supply of the \$CRY Platform

"The Cryptaine economic model does not rely on token burn mechanisms, as they may affect long-term ecosystem balance. Instead, strategic token allocation measures are used to manage token availability within the platform, ensuring a sustainable and adaptable economy."

The total supply S_{max} is defined as 25 million \$CRY, while S_n is the amount of tokens in circulation for the set time period n . Let S_n be the maximum number of \$CRY in circulation at the time boundary between n and $n+1$. This can be described as:

$$S_{n+1} = S_n - c_n + R_n + k$$

Where k is the incentive-unrelated outflow of token from the \$CRY treasury, c is the commission revenue generated by platform fees in \$CRY token and R is the outflow of tokens associated with platform incentives. While c is set by the demand for the Cryptaine platform, the platform incentives R are adjusted for every period n depending on the previous periods' numbers. This indicates that R is the main driving factor to control inflationary or deflationary effects on the \$CRY economy. For further contemplation we will only focus on the platform inbuilt supply mechanisms and ignore k .

Incentive Design

The total rewards R for incentive mechanisms in the Cryptaine platform are a redistribution of platform revenue that supports the sustainable long-term growth of the platform.

Treasury inflow is the total revenue generated in \$CRY through various sources such as platform commission minus the outflow into the incentive pool. Let c be the total platform revenue for a time period n .

To incentivize platform growth the commission will be redistributed through a commission incentive pool. The main rate-setting factors are defined as:

1. *VendorAllocationRate* (VAR)
2. *AffiliateAllocationRate* (AAR)
3. *ReferralAllocationRate* (RAR)

We define R as the total sum of platform incentives received per time period n . R is defined as

$$R_n = VAR_n + AAR_n + RAR_n ,$$

furthermore, we define:

$$VAR = \lambda \cdot \theta c; \quad AAR = \eta \cdot \theta c; \quad RAR = y \cdot \theta c;$$

thus R can be calculated through:

$$R = (y + \lambda + \eta) \cdot \theta c$$

The total redistribution rate is aligned with the long-term economic growth projections according to Microtokenomic policy. We define π as the ideal target of the \$CRY economic system. θ is the ratio of redistribution of c for each time period n . The emission of tokens through incentives is designed to be aligned with π , we define π as the real supply for each period n .

$$\pi_{n+1} = \frac{S_{n+1} - S_n}{S_n}$$

Based on this ratio, the rewards are set periodically for n to align π with π' . η , y and λ are adjustable control parameters for a period n to control the issuance of token to actors on the Cryptaine platform. Based on the predetermined time period n the rates of the incentive pool will be continually monitored and aligned with the long-term projections of π' to reach an equilibrium of in and outflow of \$CRY.

The ratio of redistribution $\theta \in [0; 1]$, controls the total split of treasury inflow and incentive pool outflow for each period n . The long-term projections are planned to achieve $\theta c \leq c$ in order to support a stable long-term supply.

At the beginning of each time period n , three important things happen at the time boundary between $n - 1$ and n . Platform participants lock tokens to access additional features and redistribution discounts. η , y and λ are set based on previous time frame measurements. Third, the ratio of redistribution θ is set to be aligned with long-term projections. Setting the allocation for the incentive pool is important to control the total emission of \$CRY token for each time period n . Based on the total amount of locked token, θ will be set accordingly to align incentives with the total sum of platform participants eligible for redistribution.

Long-Term Economic Dynamics

The long-term economic framework of the Cryptaine platform is designed to ensure a structured and sustainable token allocation model. The total circulating supply of \$CRY will dynamically adjust in response to platform activity and participation, ensuring that token availability aligns with the ecosystem's functional needs.

In addition to structured token allocation, the Cryptaine treasury plays a key role in supporting long-term platform operations and optimizing the proportional distribution of incentives. The treasury facilitates a balanced approach that aligns with user engagement and ecosystem stability.

The structured allocation mechanism ensures that tokens are distributed efficiently to maintain user participation and economic equilibrium. The long-term supply adjustment of the \$CRY token can be represented as follows:

$$\lim_{n \rightarrow \infty} S_n = S_{max} - \sum_1^n T + \theta$$

Where:

- S_n represents the circulating supply at a given point in time.
- S_{max} is the predetermined total token supply limit.
- $\sum_1^n T$ accounts for the allocation of tokens based on platform incentives and engagement strategies.
- θ represents an adjustment factor that optimizes token distribution in response to real-time platform conditions

While the long-term objective is to maintain a structured and proportional allocation, short-term adjustments may occur due to periodic recalibrations. The adjustment factor θ is used to align distribution strategies with platform activity, ensuring a dynamic and functional token economy that remains adaptable to user needs.

Disclaimer

**Don't trade with money
you can't afford to lose.**

Regulatory Risks & Compensation Exclusions

- \$CRY tokens may lose their entire value due to market fluctuations or regulatory changes.
- \$CRY tokens may not always be transferable due to potential exchange restrictions.
- \$CRY tokens are not covered by investor protection schemes under Directive 97/9/EC.
- \$CRY tokens are not covered by deposit guarantee schemes under Directive 2014/49/EU.
- If the Cryptaine project fails, holders may not be able to redeem tokens for intended services.

The purchase, holding, or use of Cryptaine (\$CRY) tokens involves significant financial risk. Cryptaine GmbH does not provide investment, financial, legal, or tax advice. This whitepaper does not constitute a financial prospectus.

Governing Law & Dispute Resolution

This whitepaper is governed by the laws of the Federal Republic of Germany. Any disputes arising from the token sale or the use of \$CRY tokens shall be subject to the exclusive jurisdiction of the courts in Karlsruhe, Germany.

By acquiring \$CRY tokens, users acknowledge that they have no legal recourse against Cryptaine GmbH beyond the scope of applicable German civil law.

By purchasing Cryptaine tokens, you agree that you are not purchasing a security or investment and that you hold the team harmless and not liable for any losses or taxes incurred. The token is provided “as is,” with no guarantee of future support or services. You should have no expectation of profit, appreciation, or any form of return from Cryptaine or its team.

Although Cryptaine tokens are community-driven and not a registered digital currency, the team strongly advises against purchasing them in jurisdictions where cryptocurrency is restricted, as compliance with local regulations cannot be ensured. Buyers are solely responsible for verifying their compliance with applicable laws before making a purchase.

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Appendix

More information around Cryptaine can be found on the Cryptaine Whitepaper