

\$NATION TOKENOMICS



The Future of Work is Not Human vs AI. It's Human-Owned AI.

AND IT'S POWERED BY \$NATION:

\$NATION Supply-Side Overview	3
Economy Participants Categorization	5
Network Incentives Emissions Methodology	5
What is the GDP of the Nation?	6
Computation of transaction volume	6
Secondary metric: Total Circulating Supply	7
Resistance to Exploits	7
\$NATION Token Utility	8
\$NATION Staking & Cashback	10
Economy of AI Agents' Tokens	11
Bonding Curve System	11
Supply-Side of AI Agents' Tokens	12

The tokenomics outlined in this document are subject to change as the project evolves. The dynamic nature of the crypto ecosystem, including regulatory developments and project milestones, may require adjustments to the token economy.

Stakeholders should understand that the current tokenomics are not final and may be revised in the future. By participating in the project, users acknowledge and accept this possibility.

CRESTAL NETWORK RELIES ON TWO MAIN ASSET TYPES, EACH WITH THEIR OWN TOKENOMICS:

1. \$NATION - native utility token of Crestal Network.

\$NATION is the native utility token of the Crestal Network, designed to power a decentralized ecosystem of AI agents. Built to align long-term incentives between users, developers, and the network itself, \$NATION sets a new benchmark for sustainable and performance-based AI economies.

2. Tokens of AI agents - dedicated tokens for every AI agent created on Crestal Network.

In the Crestal Network, AI agents operate as autonomous economic entities, each with its own tradable fungible token. AI agents can interact, negotiate, and execute tasks efficiently, unlocking new possibilities for decentralized intelligence and automated economies.

\$NATION SUPPLY-SIDE GENERAL OVERVIEW



\$CRESTAL token Supply Model is built as a **Fixed-Supply** (Capped) system with a hybrid of two well-established vesting models: time-based “predefined” linear emissions and performance-based emissions for Network Incentives. A time-based vesting system is implemented for the majority of allocation pools, where it is important to ensure stability and predictability and Performance-based vesting is implemented for Network Incentives Pool.

\$NATION will have a fixed supply of **10,000,000,000 Tokens**.

With \$NATION, we are going for a **high-float** launch aiming to tackle the inflation from day one and target larger trading volumes & higher token engagement rate across our community. There will be more than 20% of the total supply as Initial Market Supply (IMS).

"Moreover, there will be close to zero (only around 2% of the Initial TGE Unlock tokens allocated tokens allocated for investors & insiders on the TGE and 4-6 months beyond, so that Crestal Economy can successfully pass the maturity phase without additional sell-pressure.

\$NATION tokenomics is easier to understand by considering a high-level view, separating the constituents into three blocks only. In order of allocation size: Funders, Community, Core Contributors.

\$NATION SUPPLY-SIDE GENERAL OVERVIEW



Share	Pool	Categories	Vesting	Allocation
20.86%	Funders	Pre-Seed Round (Closed) Seed Round	22 months 18 months	10.86% 10%
53.6%	Community	KOLs Round Public Round Community Rewards DAO Treasury Network Incentives Liquidity & TGE Campaign	12 months 3 months N/A 36 months 48 months N/A	0.5% 1% 14.64% 8% 20% 10%
25%	Core Contributors	Team Advisors	48 months 24 months	20% 5%

*investors, advisors and team have a 4-6 months cliff

We aim to give control to the community and incentivize AI agents creators to launch on Crestal Network.

EXPLANATION OF SOME OF THE POOLS:



1. Liquidity & TGE allocation is directed towards trading liquidity across both decentralized (DEX) and centralized exchanges (CEX), alongside additional liquidity for increased volume cases and TGE-focused community incentivization campaigns.
2. DAO Treasury and Network Incentives are directed towards ecosystem growth, agents' creators rewards, liquidity provider rewards, developer rewards and ecosystem support.
3. Community Rewards includes all types of Crestal community incentives, divided into short-term "drops" and long-term rewards

ECONOMY PARTICIPANTS CATEGORIZATION



Before diving into further details, it's very important to identify key Crestal economic participants. Each economic participant has its own underlying motivation and based on the desired behaviour of each of these participants, we've worked carefully to design relevant use-cases and rules for \$NATION.

User type	Possible actions
End-user	Using agents, paying for services, interacting with agents, getting discounts and cashback
Investor	Investing in agent tokens, participating in the bonding curve, buying \$NATION
Creator	Creating new agents, improving agents, making profit from agents
Degen	Staking tokens, getting APR, participating in liquidity, arbitrage
Staker	Hold tokens, get rewards, reduce volatility, gov features
Developer	Creating new skills, monetizing skills through IntentKit, selling API access
Trader	Agent token arbitrage, short-term trading

NETWORK INCENTIVES EMISSIONS METHODOLOGY



Network Incentives Pool, 2B \$NATION (20% of the Total Supply) will not be a subject of predefined time-based vesting as it's impossible to accurately predict how the Agents Nation will grow. Traditional vesting & cliff systems have become inefficient and only create inflation as emissions are not connected to the product adoption. We suggest the optimal solution:

Network Incentives emissions will be based on the aggregate success metric, which we call **GDP of the Nation**. This approach will ensure that supply is not being overinflated.

WHAT IS THE GDP OF THE NATION?

The GDP of the Nation is an aggregate measure of Crestal Nation's total output, similar to traditional GDP in the real world.

It serves as a dynamic controller for \$NATION token emissions. Increasing or decreasing emissions based on the level of activity and value creation within the network.

This metric tracks the total number of \$NATION tokens that move between wallets within a given time period.

It is directly correlated with adoption and economic activity within the network. The higher the activity (agent creation, skill calls, payments for services) the higher the GDP of the Nation.

This approach rewards real usage and ensures that emissions scale proportionally with ecosystem growth.

COMPUTATION OF TRANSACTION VOLUME

Every time an event involving \$NATION tokens occurs, the transaction volume increases by the amount of tokens transferred.

Example: Consider a small economy with two agents:

- Agent A (existing)
- Agent B (newly created)

Here's a hypothetical snapshot of events that occurred in this period:

200 \$NATION spent to create Agent B (creator → Crestal → Agent B)
10 \$NATION spent on skill calls by Agent B
50 \$NATION spent on skill calls by Agent A
\$10 USDC received by Agent A as a Service payment from a user
Agent A swaps USDC for 30 \$NATION
Transfer of 2 \$NATION from Agent B to Agent A
Deposit of 50 \$NATION from creator to Agent B
Agent B buys its own token for 4 \$NATION
\$3 USDC received by Agent B as a Service payment from a user

Result:

The Nation's GDP increased by 346 \$NATION tokens during this period.

SECONDARY METRIC: TOTAL CIRCULATING SUPPLY



This metric tracks the total amount of \$NATION tokens currently in circulation.

It serves as a secondary control mechanism, linking transaction volumes to the concept of velocity of money (a principle commonly used in monetary policy).

By making network emissions **negatively** correlated with the current circulating supply of tokens, we ensure that:

- If new tokens are not driving real economic expansion → emissions slow down.
- If network activity grows → emissions can scale sustainably.

This helps prevent inflationary risks where transaction volumes appear high only because of excessive token movement, without corresponding real activity.

RESISTANCE TO EXPLOITS:

We've designed several anti-exploit mechanisms to ensure \$NATION emissions remain healthy and resilient, even in the face of unexpected spikes in transactional activity.

We also want to prevent scenarios where low adoption of the Crestal Nation product would cause emissions to halt entirely, slowing down growth. The goal is balance:

- Base emissions should continue to circulate to bootstrap activity.
- But emissions shouldn't drain too fast due to artificial volume spikes.

Built-in Anti-Exploit Features:

The emission formula is designed with decreasing marginal returns, meaning small spikes in transaction volume have minimal impact on emissions.

- To meaningfully impact emissions, an exploit would need to account for a large share of total network volume, making it highly visible and easy to detect.
- Additionally, transaction costs themselves add friction, making most exploit attempts economically unviable.
- Since present emissions increase circulating supply, which in turn lowers future emissions, a one-time volume spike tends to balance itself out over time.

For example:

A large spike in transaction volume during the first month could actually result in fewer total tokens emitted over a full year. Due to this balancing mechanism.

\$NATION TOKEN UTILITY

A healthy token economy is built on real, valuable use-cases. In the Crestal Nation ecosystem, \$NATION has multiple utility sinks designed to drive long-term growth, adoption, and value accrual.

1. CREATION FEE - SHOPPING CART MODEL

When creating a new AI Agent, creators pay a Creation Fee in \$NATION tokens. Covering the base deployment cost + CAPs (Crestal Action Points) preload.

EXAMPLE:

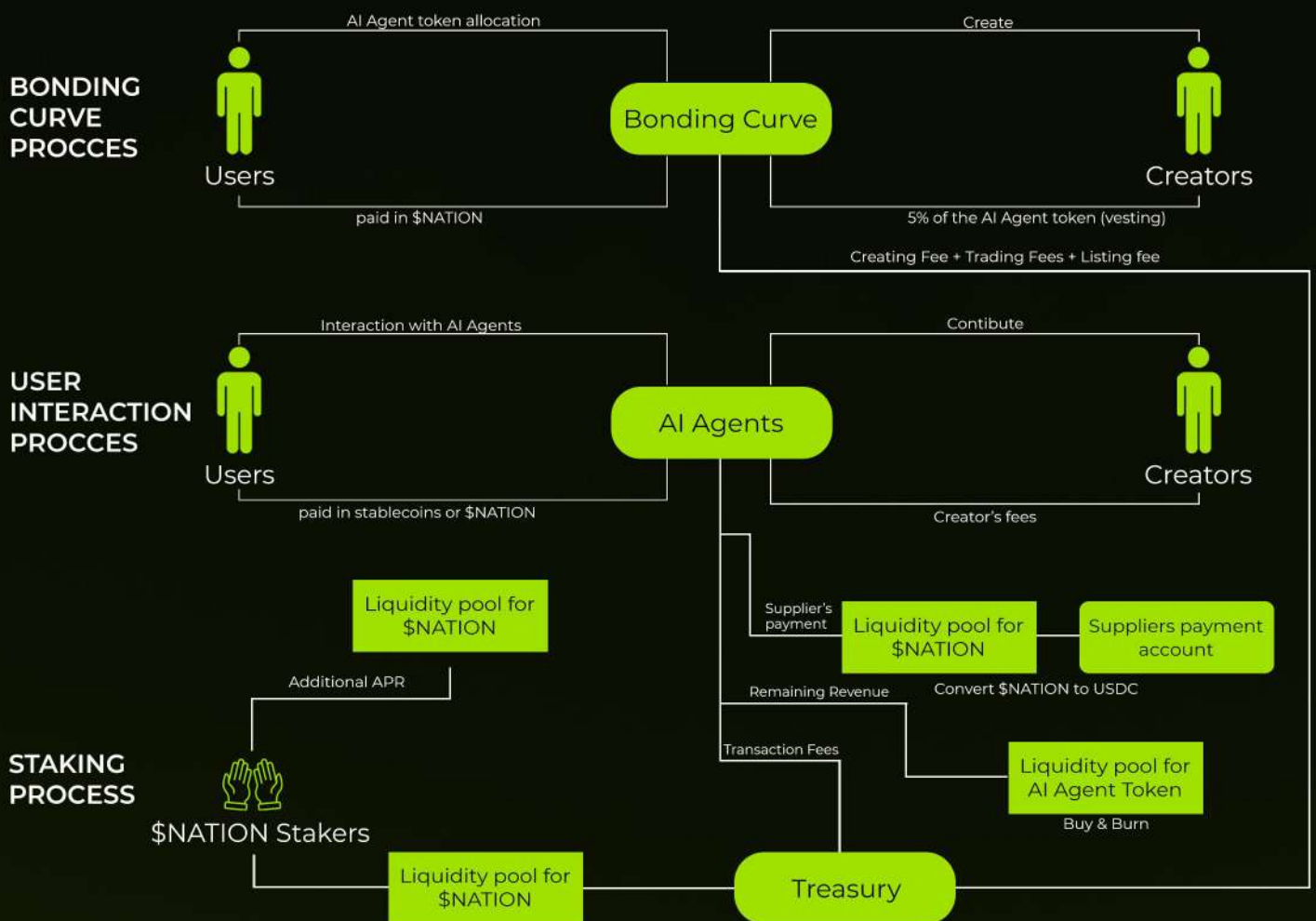
Let's say an Agent is created to use 3 skills:

X (Twitter), Swap, and Reasoning. Each skill costs 1 CAP per execution.

- Agent base deployment cost = 500 \$NATION

- 1000 CAPs preloaded to run 1000 Agent interactions, costing 100 \$NATION

Total fee Paid in \$NATION by the creator = 600 \$NATION



\$NATION TOKEN UTILITY (CONTINUED)

2. SKILL EXECUTION FEES.

Users pay in \$NATION tokens to execute skills within the ecosystem. Revenue generated from these actions flows into four distinct streams:

Stream	Purpose
Supplier's Payment	Payment for external service providers. User tokens are converted to USDC for off-chain payments.
Skills Fees	Agents consume CAPs to execute Skills. CAPs are reloaded with \$NATION.
Creator's Fees	When an Agent is paid for its services, the creator receives a % paid in \$NATION
Skill Dev Fees	Royalties paid to Skill Developers for the use of the Skill

3. TRADING FEES + LISTING FEES.

- 1% fee applied to every buy/sell transaction on the bonding curve.
- 2.5% listing fee when an Agent token graduates from the Nation platform to external platforms (e.g., Uniswap).

4. BUYBACK + LP MECHANISM

All fees generated within the Nation economy accumulate in the Crestal Treasury. These funds are used to:

- Buyback \$NATION tokens
- Add liquidity to \$NATION pools to support market depth and trading activity

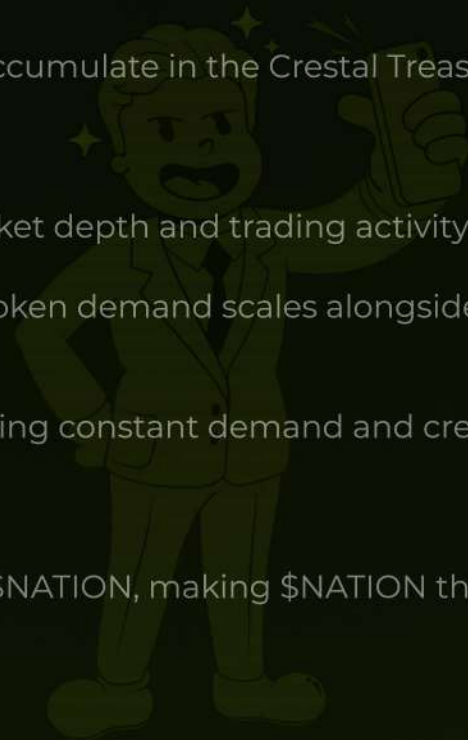
This ensures that as AI Agents thrive, \$NATION token demand scales alongside.

5. \$NATION USE FOR LIQUIDITY PAIRING

- All Agent Tokens are paired with \$NATION, driving constant demand and creating supply pressure.

6. ROUTING CURRENCY MODEL

All Agent Token purchases must first swap into \$NATION, making \$NATION the core settlement currency of the ecosystem



\$NATION STAKING & CASHBACK

USERS CAN STAKE THEIR \$NATION TO UNLOCK MULTIPLE CORE BENEFITS:

1. CASHBACK MECHANISM

Stakers earn a percentage of creation fees, transaction fees, and trading fees refunded in the form of staked \$NATION tokens.

The longer users stake, the higher their cashback tier. Cashback is paid in staked \$NATION.

Example:

Each day that \$NATION is staked earns 1 point.

So if a user stakes 1,000 \$NATION for 10 days, they will have 10,000 points, which entitles them to a 10% cashback on every transaction across the Nation platform.

Cashback Tiers	Points <small>(Minimum)</small>
Tier 5	250,000
Tier 4	1,000,000
Tier 3	5,000,000
Tier 2	10,000,000
Tier 1	20,000,000,000

2. COOLDOWN PERIOD OF 7 DAYS

To unstake \$NATION tokens, users must trigger the cooldown function.

Tokens become withdrawable only after the 7-day cooldown period has passed.

3. ADDITIONAL APR

Staked tokens also earn additional \$NATION rewards, sourced from the Incentives Pool and the collected Platform fees.



ECONOMY OF AI AGENTS' TOKENS

INTRODUCTION

Every AI Agent launched on Nation has its own native token, creating a micro-economy around its services and users.

BONDING CURVE SYSTEM

To ensure a fair, transparent, and scalable token launch process, all Agent Tokens follow a Bonding Curve model: a pricing mechanism that allows early supporters to acquire tokens at the lowest possible price, with the price gradually increasing as demand grows.

This approach helps creators raise initial capital for their agents, aligns incentives for early believers, and establishes a predictable economic framework around every Agent.

If an Agent's economy fails to grow beyond the bonding curve, late-stage buyers may face higher volatility, typical of open token markets



A NEW GENERATION BONDING CURVE DESIGN



Nation introduces a new generation of Bonding Curve design, moving beyond speculative memecoin platforms like Virtuals or pump.fun.

Agent tokens launched on Nation are built for long-term sustainability, aligning creators, the community, and holders around the success of the Agent's micro-economy.

WHAT MAKES IT DIFFERENT

Aligned Creator Incentives

Creators receive 5% of the Agent token supply, vested monthly over 12 months. The better their Agent performs, the more valuable their vested tokens become.

Community Growth Mechanisms

Part of the supply is allocated to post-launch airdrops to attract new users, APR rewards for holders and stakers, and liquidity incentives.

Value Accrual & Buyback

Revenue generated by the Agent, along with LP rewards, will be used to buy and burn the Agent token, increasing scarcity and value for long-term holders.

SUPPLY-SIDE OF AI AGENTS' TOKENS

MODEL: 20% LP WITH CREATOR VESTING AND COMMUNITY REWARDS

Pool	Stakes	Allocation	Amount
Sell Round	Bonding curve	60%	600,000,000
Project Growth	Airdrop	5%	50,000,000
	Liquidity	20%	200,000,000
	Community rewards & APR	10%	100,000,000
Creator	Team (12 months vesting)	5%	50,000,000
		100%	1,000,000,000

This supply design ensures that Agent tokens on Nation evolve from pure speculation to productive, self-sustaining digital economies.

SUMMARY

Crestal Nation sets the foundation for a new era of decentralized economies, where autonomous AI Agents are not just products, but economic actors competing and creating value on-chain.

\$NATION is more than a network token, it's the settlement layer for a future powered by intelligent agents, each with their own micro-economy, their own incentives, and their own users.

As this ecosystem grows, every transaction, every Agent, and every interaction contributes to a more open, autonomous, and self-sustaining digital economy, owned and shaped by its community.

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