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ChainStats

Introducing **ChainStats**: Revolutionizing On-Chain Analysis for Blockchain Data, Analytics and Multi-Chain Consensus

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Abstract

ChainStats is an **on-chain** analysis application built for analytics, **data aggregation** and **multi-chain consensus** in blockchain data.

The utilization of on-chain data within various industries is expanding, and its potential is limitless. However, there is currently no platform that serves as a comprehensive terminal to access all the utilities brought forth by blockchain data due to data silos preventing the ability to efficiently contextualize and understand the rich, immutable, and real-time analytics from different blockchain networks.

By analyzing on-chain data, one can gain insights into the movements across different market entities, investigate specific events recorded by the blockchain, and get a transparent view of all the activity within any blockchain. On-chain analysis can also be used to generate an idea of what direction the crypto markets may potentially move next. This is possible by monitoring anomalous transactions or movements, tracking wallet activity, and many other metrics, providing a powerful tool to decipher actionable information about cryptocurrencies.

Blockchain is an open-source, cryptographically secured, transparent digital ledger that stores encrypted blocks of data. Each transaction is traced to the wallet responsible for the action and recorded on the digital ledger. This creates an exponentiating body of valuable big data and forms a chronological single-source-of-truth called on-chain data.

On-chain data analysis can be sorted and organized into a suite of powerful tools that can be used for various tasks, such as tracking the activity of a specific wallet or entity, analyzing exchange flows and charts, and gaining real-time insights into market sentiment and activity around certain coins. This can be used in conjunction with technical and fundamental analysis to minimize market risk.

The vision for ChainStats is to create a platform that allows users to access and utilize all the utilities brought forth by blockchain data. This platform would provide a comprehensive terminal to analyze on-chain data, enabling users to gain valuable insights into the movement of assets, the behavior of market participants, and the direction of crypto markets.

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Introduction

ChainStats is an ecosystem that aims to expand the use cases of on-chain data stored within blockchains. Our ecosystem is made up of two key components: the platform and the Node Portal.

The ChainStats platform is an all-in-one application that allows market participants of any level to leverage on-chain statistics for their research and analysis.

We seek to enable blockchain data to be cross-functional for purposes such as market analysis, blockchain research, or data aggregation. The platform enables users to track movements within exchanges and wallet entities, and access analytics regarding activity, development, and adoption within various blockchain ecosystems.

The Node Portal is the hub that draws in data from a variety of DLT ecosystems for further utilization. It is a blockchain-agnostic portal that offers specific services catered towards enterprises and institutions, such as adding in private consortium DLTs to the Node Portal or extracting the data validated within the Portal into your own personal applications.

The goal of ChainStats is to be a complete and consistently evolving ecosystem that allows for the full potential of on-chain data utilization. We believe that blockchain technology is disruptive, but we need an application to bring value and context to the data provided within it. With ChainStats, we seek to provide this application and enable users to make informed decisions based on the insights they gather from on-chain data.

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Why ChainStats?

ChainStats envisions a future where on-chain data analysis is accessible to everyone, not just institutions or experts. Currently, there are few options available for analyzing on-chain data, and those that do exist are often complex and difficult to understand. ChainStats aims to change this by creating an on-chain data application that is user-friendly and offers a comprehensive suite of analytics tools. Our platform will eliminate unnecessary complexity, making it accessible to retail market participants and institutions alike. By harvesting and aggregating vast amounts of data from blockchain networks, we provide users with valuable insights into market activity in real time. Our modern, clean design prioritizes user comprehension, delivering metrics in an instantly readable format.

Through this approach, we aim to empower users with actionable insights and simplify the process of on-chain data analysis.

ChainStats has a strong vision to innovate on the functionality and user experience of on-chain data analysis. With a focus on providing a comprehensive, user-centric product, ChainStats aims to reduce or eliminate the weaknesses of its competitors and offer all the best features in one package.

According to Grand View Research the blockchain space is expected to grow at a 87.7% annual growth rate, while big data is forecasted to grow to \$745 billion USD by 2030. ChainStats sees an opportunity to combine both innovative markets by tokenizing on-chain data and compensating node operators who help validate it. This will create a new way of incentivizing users to participate in the validation of data, while also rewarding them for their contributions.

Most on-chain tools are currently aimed at institutional and high net worth entities, and many suffer from a lack of availability of pivotal functions and a non-user-friendly UX. ChainStats plans to fill this gap by delivering an accessible product that provides all the necessary functions, with a simple and intuitive user interface. By doing so, ChainStats will serve as an anchor for users in pressing times, rendering other data sources as noise in comparison.

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Tokenomics

In our pursuit to bring forth the possibilities of on-chain data for every participant in the industry, the STATS token unlocks the access to on-chain data utilization from access, validation, extraction, integration & customization.

Introducing STATS:

The STATS token is the native token of the ChainStats ecosystem. It is designed to provide access to on-chain data to anyone in the industry, regardless of their size or level of participation. STATS token is a utility token that plays a critical role in the ChainStats ecosystem regardless if the end user is a developer, entrepreneur, enterprise or a market participant. The STATS token provides various on-chain data focused utilities.

It's essential for every participant of the ChainStats ecosystem to remember & acknowledge that STATS is a pure utility token for executing operations and a means of payment for products and services within the ChainStats ecosystem & should not be seen as an investment or equity into the company procedures of ChainStats, Inc.

Token Purpose:

The purpose of the STATS token is to provide access to on-chain data, which is necessary for any individual or organization looking to navigate the blockchain space better. The STATS token will be used to pay for subscriptions, buy data access passes, receive rewards for Chain Guardian holders for validating data, purchase NFTs, and participate in the ecosystem's governance and voting.

The STATS token is responsible for all operations in the ChainStats ecosystem, from subscriptions, services, fees, application utilities & a decentralized voting system towards the forward progression of ChainStats.

As ChainStats continues to develop over the years the STATS tokens utility may be altered to best fit the specific needs of an ecosystem at a given time. For this reason & the description of STATS written above, the STATS token is strictly to allow the ChainStats ecosystem to operate at scale.

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Token Utility

The STATS token provides various utilities and benefits to users, including:

- **Subscription:** Premium access to the platform can be paid in fiat or STATS. All fiat subscriptions will be converted on the backend from our treasury to the STATS equivalent through compliant public exchanges.
- **Validation:** 75,000 STATS will be attached to each Chain Guardian NFT as a required access key to validate data for the ChainStats ecosystem.
- **Reward:** Chain Guardian validators will receive STATS tokens for their contribution of resources to the network.
- **Governance:** The STATS token will play an integral part in the decisions made within the network, such as which networks to add to the Node Portal. STATS will be required to participate in voting.
- **Discounts:** The STATS token will involve discounts on clothing & accessories available in the ChainStats Swag Portal, which further drives the community & lifestyle of ChainStats.
- **Services:** Paid services such as data extraction & integration from the Node Portal are converted into STATS tokens
- **Access:** Users can purchase advanced data or pre-public update access passes with fees converted to STATS
- **Marketplace:** Other virtual assets that bring utilities such as specified platform integrations & data accessible as NFT passes on the ChainStats Digital Marketplace, where all payments are converted to STATS.
- **Customization:** User personalized customizations and prioritizing data needs such as specified time frames, custom UI/UX design & additional resources are microservices paid in STATS.
- **Utilization:** Additional services with ChainStats validated data such as extracting for your own dApps & integrating your private DLTs into the Node Portal with custom settings are all services that can be paid in fiat or STATS, but similar to the subscriptions will be converted into STATS.

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Overall Token Supply:

Total supply: 100,000,000 STATS

Ecosystem Token Allocation:

- Chain Guardians: 15,000,000 STATS (15% of total supply)
 - These tokens are reserved for users who hold a Chain Guardian NFT and are required to validate data in the ChainStats ecosystem.
- Validator Rewards: 10,000,000 STATS (10% of total supply)
 - These tokens are used as rewards for users who assist in validating data on the platform.
- Platform Tokens: 10,000,000 STATS (10% of total supply)
 - These tokens are used as a means of payment for various services within the ChainStats platform.

Business Token Allocation:

- Team: 10,000,000 STATS (10% of total supply)
 - These tokens are reserved for the core team of ChainStats.
- Advisors: 3,000,000 STATS (3% of total supply)
 - These tokens are reserved for advisors of ChainStats.
- Treasury: 12,000,000 STATS (12% of total supply)
 - These tokens are reserved for funding specific business expansions such as network integrations and feature expansions.
- Master Guardians: 5,000,000 STATS (5% of total supply)
 - These tokens are reserved for users who hold a Master Guardian NFT and have higher levels of access to the platform.

Community Token Allocation:

- Exchange: 12,500,000 STATS (15% of total supply)
 - These tokens are reserved for exchange listings and liquidity.
- Public: 22,500,000 STATS (20% of total supply)
 - These tokens are reserved for distribution to the public, including potential contest prizes, bounties, and other programs.

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Token Distribution:

- The public will receive 22.5% of the total supply, which is 22,500,000 STATS.
- The distribution of tokens to the public will be done in a fair and transparent manner.
- Chain Guardians have 1 Year vesting schedule but rewards are free to use.
- Validator rewards will be distributed over 10 Year period (1,000,000 distributed annually).
- The teams tokens are unvested in 3 months cliffs 3 months after TGE.
- Initial subscriptions, products & services will be executed in STATS through Platform Tokens.
- As the ecosystem progresses we will replenish pools for validators & platform operations in the appropriate situations.

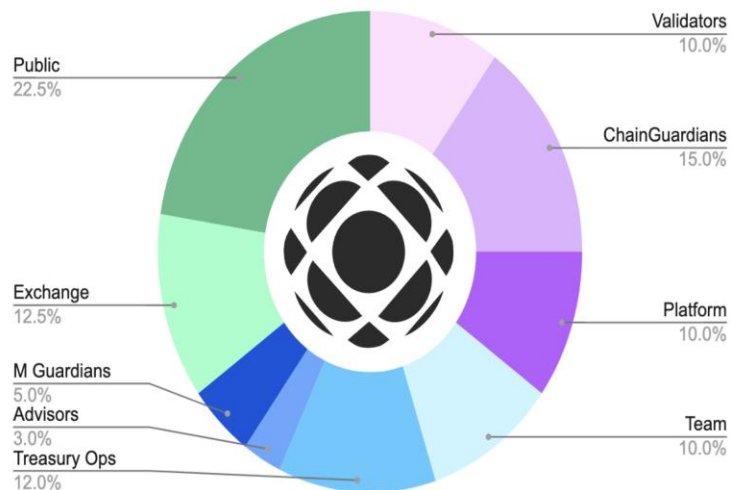


Figure 1: Token Allocation Breakdown

Total: 100 million

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Team & Advisors Vesting Schedule:

	TGE	Month 3	Month 6	Month 9	Month 12	Month 15	Month 18	Month 21	Month 24
Team			10%	15%	15%	15%	15%	15%	15%
Advisors			10%	15%	15%	15%	15%	15%	15%

Figure 2: Vesting Schedule

Chain & Master Guardians

Chain & Master Guardians represent the verifiable credentials to registered permissioned data validators within the ChainStats economy. There will be an initial launch of 100 Chain Guardians & 100 Master Guardians to scale the initial phases & operations.

Each Guardian will have 75,000 STATS attached within the NFT as a form of securing value on the network. To begin validating data users will require the 3 procedures to be completed.

- Acquire a Chain Guardian NFT for verifiable credentials
- Register account & node identity with the ChainStats Foundation
- Obtain & setup the hardware/software required to validate data

As development continues & the platform scales with ChainStats adding new integrations and features there will be new Chain Guardians minted to secure and decentralize data validation at scale.

While future Chain & Master Guardians will be available beyond the initial 100 as our ecosystem requires more data validation. the two may scale at different rates. The MasterGuardian quantity however, will never exceed the total number of Chain Guardians.

Validator Rewards

As the Chain Guardians are an essential part towards the validity of data sourced into the ChainStats platform, its essential that the decentralization and accuracy of the data being validated is of the highest quality while compensating data validators with STATS for utilizing their resources to maintain the ChainStats ecosystem.

As shown in the table below the rewards distributed to the Chain Guardians that are actively validating data in & out of the Node Portal through having a connected operating node in the ChainStats ecosystem.

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As there is an initial 10,000,000 STATS (10%) allocated towards the Chain Guardians distributed over the course of the next 10 years with 10% of the pool being distributed to active operating Chain Guardians on a month-by-month basis.

Over time as the pool depletes after the 10 year mark, the functions and mechanisms of the ChainStats ecosystem & the core team will have integrated solutions to replenish validator pools with other tokens from subscriptions and other paid services

Master Guardian Rewards

Due to the essentiality of the data that will be validated & displayed on the ChainStats application, the attention to detail and precision of this data is a priority at all times.

The ChainStats Foundation will have Master Guardians watching over the data going into the Node Portal alongside the other Chain

Guardians. The primary function of these Master Guardians is acting in a supplementary support and data validation role, should enough Chain Guardians become inactive or a sudden influx of data requires a quick scaling solution

While these are the primary operations of the Master Guardians, the ChainStats Foundation will utilize Master Guardians to ensure there are sufficient active nodes for the purposes of security, scalability, & decentralization.

The rewards model for the Master Guardians are identical to the Chain Guardians. Though Master Guardians are only accessible by

TIME	DISTRIBUTED	% USED	% REMAINING	REMAINING
YEAR 1	500,000	10%	90%	4,500,000
YEAR 2	500,000	20%	80%	4,000,000
YEAR 3	500,000	30%	70%	3,500,000
YEAR 4	500,000	40%	60%	3,000,000
YEAR 5	500,000	50%	50%	2,500,000
YEAR 6	500,000	60%	40%	2,000,000
YEAR 7	500,000	70%	30%	1,500,000
YEAR 8	500,000	80%	20%	1,000,000
YEAR 9	500,000	90%	10%	500,000
YEAR 10	500,000	100%	0%	0

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the ChainStats Foundation to further supplement network scalability.

Additionally Master Guardian’s reward pool will have 5,000,000 STATS allocated into the pool (5%), as opposed to the Chain Guardian validator pool of 10,000,000 (10%).

Much like the Chain Guardians, this pool will be replenished over time through other utilities & functions of the STATS token to ensure a sustainable free-flowing model of data validation.

Token Utilities (Visualized):

Subscription:

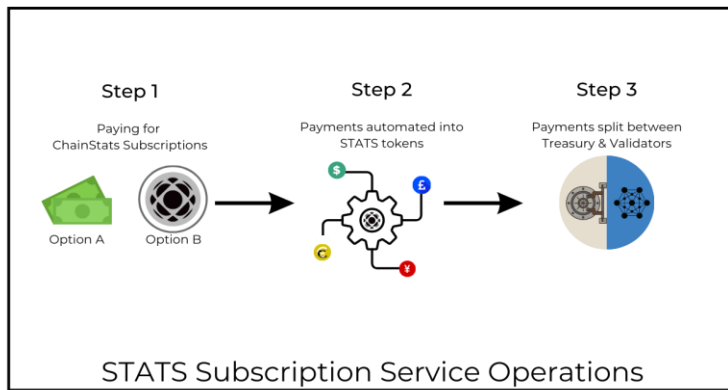


Figure 3: Subscription Utility

Voting:

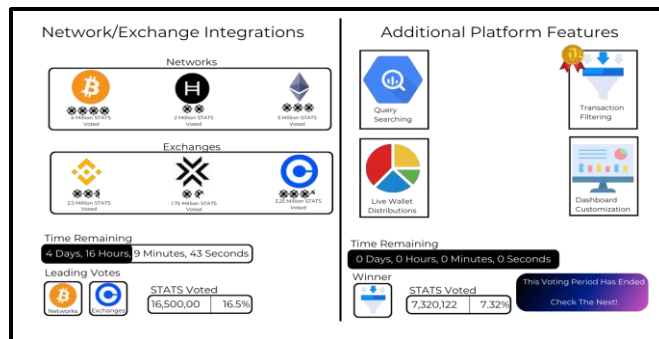


Figure 4: Voting Utility

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