galvan dgf

litepaper

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Published by Galvan DGF (Distributed Governance Framework), a decentralized community of node owners providing governance and support for the Galvan Blockchain and **IZE** token distribution.

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what is the dgf?

Galvan DGF (Distributed Governance Framework) is a decentralized community of Node Owners providing governance and network support for the Galvan Blockchain and IZE token.

Galvan DGF is distinct from and not solely controlled by Galvan DAO LLC, a 3rd-party building decentralized applications (dApps) on the Galvan Blockchain.

Any value derived from Galvan Nodes and IZE tokens is likely to be uncorrelated with the success or failure of Galvan DAO LLC.

The DGF has delegated administrative tasks, such as smart contract security and protocol upgrades, to the 3rd-party Node Governance.

DGF MISSION

> **Provide a decentralized network for health, fitness, and wellness— improving trust, transparency, and outcomes for both organizations and individuals.**

health companies
(Including Galvan DAO LLC)

dApps

Galvan Blockchain

Governance/Support

IZE Distribution

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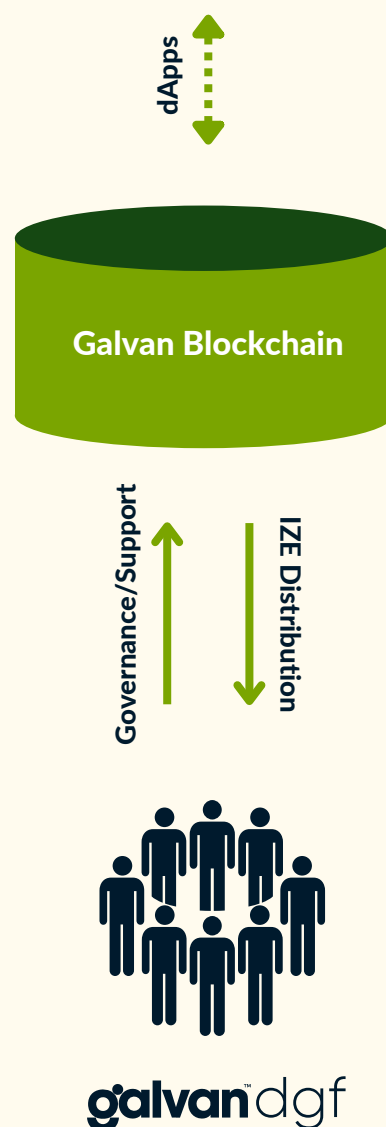
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blockchain for health

Blockchain technology for health is often cited as a top use case.[1] However, it is yet to even scratch the surface of its potential impact on the world.

Galvan DGF aims to be the world leader in a decentralized-first approach to blockchain for health, focused on solving the following problems:

- **Centralization** - Centralized health systems require a single entity to coordinate everything, despite unique individualized needs, circumstances, and values requiring precision.[2] By creating a worldwide, decentralized blockchain network, Galvan DGF will establish the infrastructure for global healthcare transactions.

- **No Ownership** - Individuals do not own and control their health information, which has resulted in data breaches of centralized health records, costing billions annually.[3] The Galvan Blockchain will make it possible to provide secure, readily available products allowing individuals to own and control their health data, which has many proven benefits.[4][5]

- **Lack of Transparency** - Inadequate transparency exists for patient decision-making, including challenges with communicating and understanding the risks/benefits of health decisions.[6][7] The Galvan Blockchain will support tools that empower individuals with unbiased information so they can make more informed health decisions.

- **Poor Incentives** - Current policies focus on incentives to systems, payers, and health providers, but not to individuals.[8] The Galvan Blockchain will incentivize healthy behaviors through rewards and other proven strategies that improve outcomes.[9][10][11]

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the galvan™ blockchain

The Galvan Blockchain is an EVM-equivalent layer-1 blockchain that uses the Proof of Authority consensus mechanism. It is not controlled by any one person or entity, but rather, governed by node owners from the Galvan DGF according to charter votes.

Galvan DGF invites health, fitness, and wellness organizations from around the globe to build decentralized applications on the Galvan Blockchain that improve trust, transparency, and outcomes for their customers.
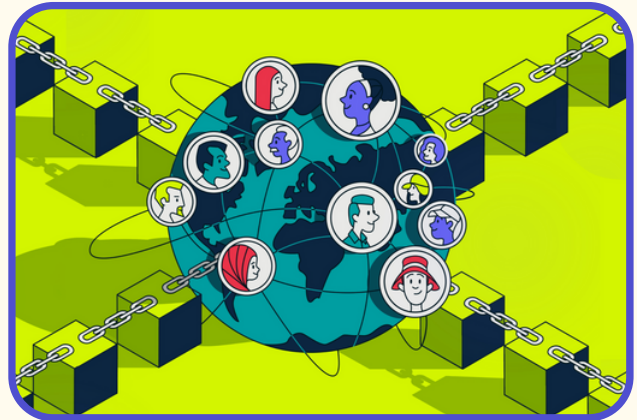
EVM-equivalent

$0.001 gas fees*

Decentralized

Galvan Ledger

The Galvan Ledger is an immutable database that enables the Proof of Action algorithm for IZE distribution. The accounting on this ledger is verified by licensed nodes and added to the Galvan Blockchain.

Ethereum Bridge

IZE tokens, which are first distributed natively to node owners on the Galvan Blockchain, can be transferred to Ethereum through a one-way bridge and become IZE ERC-20 tokens.

Based on average gas fees and IZE price according to CoinMarketCap on June 15th, 2023.

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IZE token

Galvan nodes facilitate the distribution of **IZE**, the native token of the Galvan Blockchain.

The utility of IZE, aggregated from several third-party service providers and partners, *will* cover a broad spectrum that includes, but isn't limited to:

- Paying gas fees on the Galvan Blockchain
- Bridging to Ethereum to create ERC-20 tokens
- Trading for other cryptocurrencies
- Staking for Galvan DGF proposals
- Purchasing Galvan Plus app memberships
- Purchasing Galvan Smart and Lite Nodes
- Purchasing Galvan NFTs
- Purchasing health and wellness products from participating partners in a marketplace (i.e. supplements, telehealth, health coaching, meal plans, fitness devices)
- Additional utility as created by Galvan DGF

IZE has a maximum supply of 50,000,000,000 tokens, half of which were distributed to Node Owners through the Galvan Blockchain in the first year. Each year thereafter, the amount of **IZE** issued is half of the previous year's allocation.

The official start date of year-one points accrual was Feb. 17th, 2022 at 00:00 UTC, serving as the date for future halvings.

Year 1 — 25B IZE

Year 2 — 12.5B IZE

Year 3 — 6.25B IZE

Year 4 — 3.125B IZE
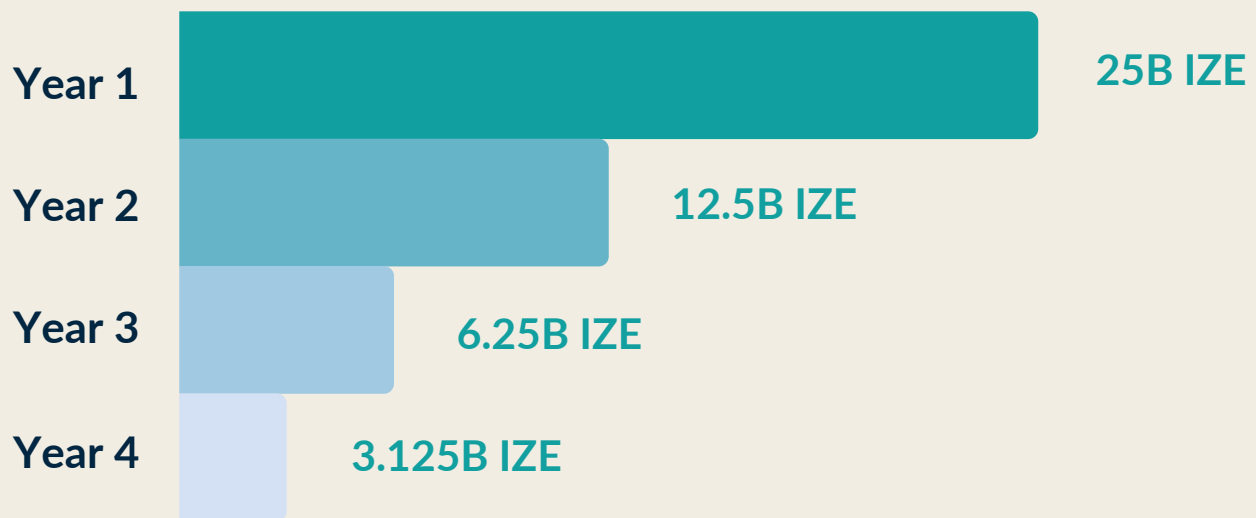
and so on until 50 billion IZE distributed.

Fun Fact: While "**IZE**" is the symbol and more commonly used, "Galvan" is the name for the tokens. This means that tokens can be referenced as Galvan (IZE), revealing the word "galvanize," which means to excite someone to take action.[12]

nodes

Node licenses grant entry to the Galvan DGF, confirm transactions on the Galvan Blockchain, and earn IZE distribution. There are three different types of licenses:

Smart Node

- Run on compatible computer
- 100,000 max supply
- 25,000 points for 6 hour uptime
- 1 DGF vote
- One time purchase with increasing price

Lite Node

- Run on compatible computer
- 25,000,000 max supply
- 100 points for 6 hour uptime in a day
- 0.004 DGF vote
- One time purchase with fixed price

Galvan Plus Node

- Run on compatible phone
- Confirms healthy actions in the Galvan App
- Points vary based on action
- Included in Galvan Plus subscription

proof of action

Proof of Action is the algorithmic protocol that determines how **IZE** tokens are distributed among node owners through the Galvan Blockchain.

The process is as follows:

1 — A user earns points based on actions voted upon by Galvan DGF (specific actions and their accompanying points can be seen in the "Governance" section of this document).

2 — The user's total points earned in a day are added to the Galvan Ledger.

3 — Every day at 00:00 UTC, a fixed amount of **IZE** is distributed based on the year of the current distribution schedule. The user's individual **IZE** allocation is calculated from the percentage of points they had that day compared to the total points from the DGF community combined. In other words, the more points the user earned compared to everyone else, the bigger piece of that day's **IZE** distribution they would receive.

4 — The user's **IZE** distribution is confirmed by their node and added to their self-custody wallet on the Galvan Blockchain.

Owning and operating a node license is required to participate in the Proof of Action protocol—otherwise an individual's points would not be able to be confirmed to on-chain tokens.

Example:

Let's say these were your actions for the day...

+ 25,000 points (1 Smart Node ran for >=6 hours)
+ 41,000 points (Referral purchased $4,100 Smart Node)
+ 12,500 points (Prior 7-day points average * 0.5)
+ 6,250 points (Prior 30-day points average * 0.25)

= **83,750 points total**

Now let's say this happened in the second year of distribution where ≈34,246,575 **IZE** is distributed per day and 100,000,000 points were earned between the entire Galvan DGF combined that day. You earned ≈0.084% of the total daily community points, so you would earn ≈0.084% of the **IZE** for that day which would be
≈ 28,767 IZE

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governance

The Galvan Blockchain and **IZE** distribution are governed by Galvan DGF (Distributed Governance Framework), a decentralized community of Galvan node owners. Below is a summary of the "Charter," which was originally ratified on Nov. 27, 2022 and last updated through vote on Apr. 16, 2023. Click here for the full, latest Charter document.

- **Structure** - The Node Network Charter is subdivided into the following parts:
  - Galvan DGF Agreement - your responsibilities and rights.
  - Galvan Parameters - the action points that earn **IZE** rewards.
  - Community Guidelines - the norms of behavior.
  - Node Network Governance Framework - the proposal/voting process.
  - Node Network Mediation Body - the dispute resolution process.

- **Node Network DGF Agreement** - When you buy a node license, you become a member of the Node Network Distributed Governance Framework (DGF), which enables governance of the Galvan Blockchain, the features of the Distribution Algorithm, the Ledger, and the infrastucture. As a Node Operator, you agree to work with other Node Operators to govern the network and the following:
  - Limitation of liability as part of the Node Network to the fullest extent of the law.
  - Sole responsibility for the operation of the Network, decisions taken, and their proper implementation.

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- Indemnification to the Node Network for damages.
- Delegation to Node Governance LLC for certain administrative tasks.
- Representation that you are not in a Restricted Jurisdiction.
- Creation of Node Network Governance Committee to represent the Node Network DGF.
- The right to leave the Node Network DGF at any time by terminating your Node license.

- **Galvan Parameters (Action Points)** - Initial actions that earn points, which are used to calculate the distribution of **IZE**:

Smart Node: Every day your Galvan Smart Node is active for at least 6 hours beginning February 17, 2022.	**25,000** points
Lite Node: Every day your Galvan Lite Node is active for at least 6 hours beginning February 17, 2022.	**100** points
Weekly Memory: Average of prior 7-day's points multiplied by 0.5	**Variable**
Monthly Memory: Average of prior 30-day's points multiplied by 0.25	**Variable**
Referral: Every time someone you referred (using a Galvan referral link) spends the equivalent of $1.00 (e.g. a Lite Node Purchase for $25 would equal 250 points). These points may accrue to up to five Smart Nodes belonging to the same person who made the referral.	**10** points

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Galvan Plus - Daily Exercise: 30 minutes of exercise in a single 24-hour day (documented according to Galvan App rules).	**300** points
Galvan Plus - Weekly Exercise: 150 minutes of exercise in a single 7-day week (documented according to Galvan App rules).	**200** points
Galvan Plus - Mental Wellness Check-in: a subscriber conducts a mental wellness check-in (using the Galvan App) - points will be awarded for each check-in, for up to three (3) check-ins during a 7-day week.	**700** points
Galvan Plus - Weekly Mental Wellness: a subscriber will be awarded points only if three (3) check-ins are completed during a 7-day week.	**200** points
Galvan Plus Node: Points earned in association with the Galvan Plus membership activities require active syncing to receive eligible **IZE** token distributions. When users properly synchronize their app, the Galvan Plus Node confirms these points.	-

No Longer Active

Development Node (25,000 points): Every day your Galvan Smart Node was available for blockchain development between February 17, 2022 and December 6, 2022. Actions contributing to the development of validator nodes, network load, computing power requirements, and other software development parameters necessary for the development of the Galvan Blockchain are included.

- **Community Guidelines** - Participating and interacting within the Node Network DGF is a collaborative experience. The goal is to create an environment that will allow its members to thrive. Node Operators shall promote inclusivity, positive communication, full compliance with laws, and shall never collude.

- **Governance Framework** - The Node Network Governance Framework provides the fundamental rules for the proposal/voting process. It seeks to ensure the involvement of all the Node Operators in the decision-making process and is based on the principles of transparency, inclusion, and participatory decision-making. Node Operators are encouraged to express their opinions and to propose innovations contributing to the DGF prosperity.
  - Proposals must include:
    - Identification of proposal initiator
    - Contact method for answering questions about the proposal
    - Summary of the proposal
    - Supporting rationale for the proposal
    - Long-form description of the proposal to be enacted if passed
    - Section acknowledging similar or prior work known to the initiator (if applicable)
    - Proposals require staking 30,000,000 **IZE** tokens
  - Stakes are returned after the vote. To discourage frivolous Proposals, the stake shall be slashed by 50% if the Proposal does not garner at least 10% of the participating Nodes voting in favor.

- Each Smart Node shall have one vote. Each Lite Node shall have 0.004 (1/250th) of one vote. A single Node Operator may vote all nodes under their control.
- Implementation is delegated to Node Governance LLC.
- Proposal Protocol:
  - 1 — New proposal is initiated (in accordance with the Proposal Requirements).
  - 2 — Voting is open by default for a duration of 48 hours.
  - 3 — Proposal is deemed approved and scheduled for execution if the two following conditions are met:
    - i — A quorum minimum of 50% of the Nodes have voted or have been represented in the vote through proxy.
    - ii — A 75% majority of participating Nodes have voted in favor of the proposal.
- Approved proposals are subject to referendums.
- Implementing the proposal process will take time due to development and technological needs.
- Governance of the Validator Nodes is separate from and not controlled by the Node Network DGF.

- Mediation Body - The Node Network Mediation Body assures a process to solve issues between the Node Operators or issues arising with respect to the Charter, the Smart Contract terms, the validation process, the consensus mechanism, the Node Network Parameters, the Distribution Algorithm, or the reward mechanisms.

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the future of health is here.

Join the Community

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