EVOZLABS

EVOZ CHAIN WHITEPAPER

Version 2.0 — November 2025

DEVELOPER & TECHNICAL NETWORK EDITION

Layer 1 EVM Compatible Blockchain Empowering Real World Assets (RWA) and Web3 Community Economy

Mainnet Chain ID: 805 | Testnet Chain ID: 99199
Consensus: PoSTA **(Proof of Staked Trust Authority)**
Explorer: https://evozscan.com
RPC: https://rpc.evozscan.com

https://evoz.ai

Table of Contents

1. Introduction

EVOZ Chain is a Layer 1 EVM compatible blockchain built to create a bridge between Real World Assets (RWA) and the Web3 community economy.
Unlike most projects that focus on short term profit, EVOZ is designed under the philosophy:

"This blockchain belongs to everyone, not just a few."

With an efficient PoSTA based architecture, a non inflationary system, and a reward model derived from network activities, EVOZ introduces a fair, sustainable, and transparent technology framework for both developers and the global community.

2. Vision & Mission

🎯 Vision

To become the global community blockchain infrastructure that connects the real world and the digital world within a single ecosystem that is transparent, efficient, and ethical.

⚙️ Mission
- To deliver a high performance, low cost Layer 1 blockchain accessible to everyone.
- To support the tokenization of real world assets (RWA) securely and transparently.
- To empower global communities through token ownership and decentralized governance (DAO).
- To become a home for DApps, GameFi, DeFi, and other ethical Web3 projects.

3. Blueprint Developer Network — EVOZ Chain

COMMUNITY USERS
Wallet • Airdrop • Staking

↕

DEVELOPER LAYER (EVM)
DApp • NFT • DeFi • RWA

↕

VALIDATOR LAYER (PoSTA)
Node • Authority • Fee Pool

↕

NETWORK LAYER (RPC & BRIDGE)
Geth • Explorer • API • SDK
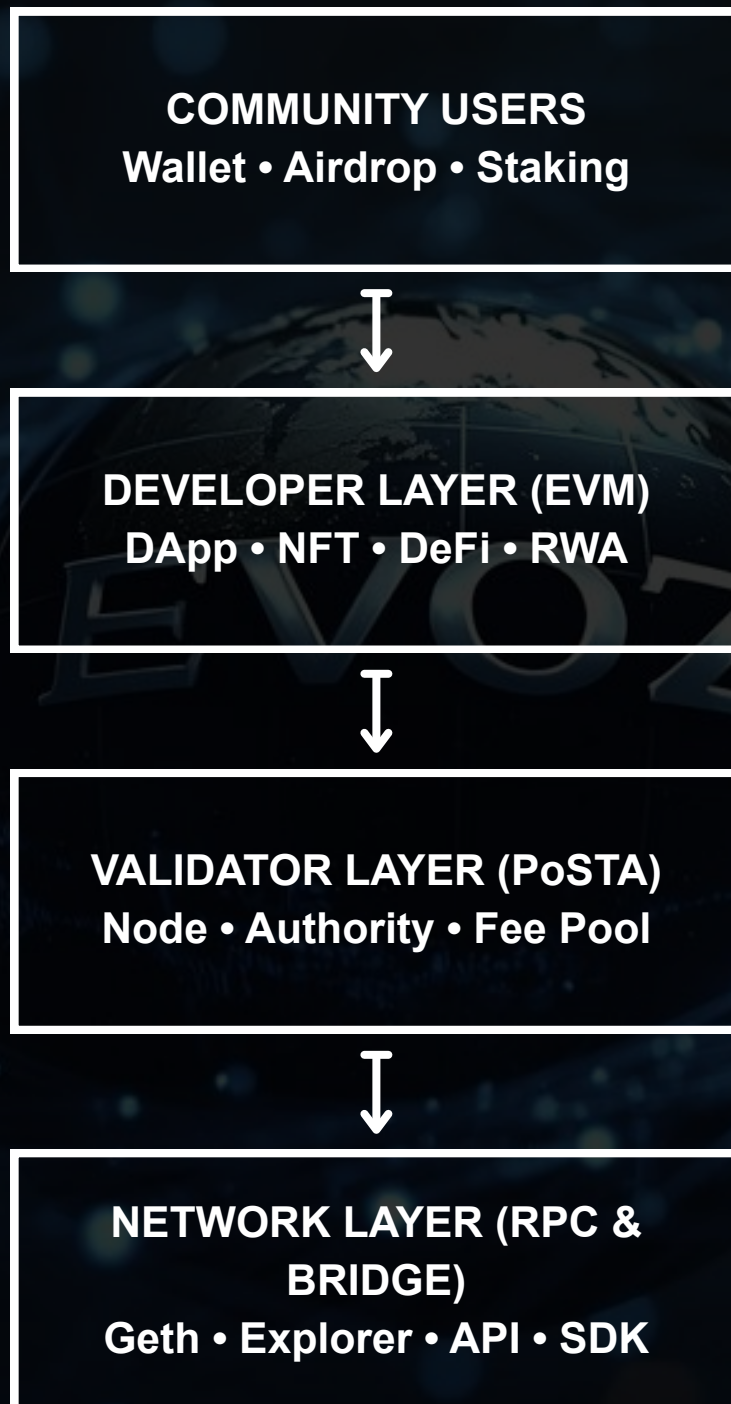
"EVOZ is not just a blockchain ecosystem it is a system that connects creators, validators, and communities in technological harmony."

https://evoz.ai

4. EVOZ Chain Technical Architecture

Layer	Function	Technology
Consensus Layer	Determines block finality and validation	PoSTA
Execution Layer	Executes smart contracts	EVM Compatible
Data Layer	Stores ledger and state	LevelDB / RocksDB
Network Layer	Handles node to node communication	RPC, P2P, WebSocket
Layer	Function	Technology
Consensus Layer	Determines block finality and validation	PoSTA

Technical Characteristics

- Fully compatible with Solidity, Hardhat, and Remix
- Fast finality (10 seconds)
- High throughput (50,000 TPS)
- Energy efficient no mining required
- Reputation based validator system

5. PoSTA Consensus Workflow Diagram

System Objective

PoSTA **(Proof of Staked Trust Authority)** is a hybrid consensus algorithm that combines elements of Proof of Stake (PoS) and Proof of Authority (PoA) to achieve an optimal balance between security, efficiency, and fast finality.

PoSTA Technical Workflow (New Block Generation Stages)

1. Transaction Broadcast
• Users send transactions through wallets or DApps.
• Transactions enter the mempool of each node.

2. Block Proposal
• The selected validator (based on stake and reputation) creates a new block proposal.
• The block contains a list of transactions and the hash of the previous block.

3. Validation Round
• Other validators review the block contents.
• If valid, they digitally sign the proposed block.

4. Quorum Confirmation
• When valid signatures reach ≥ 2/3 of the total active validators, the block is confirmed as valid.

5. Finalization
• The new block is added to the blockchain.
• Transactions become final and irreversible.

6. Reward Distribution
• Validators and delegators receive rewards in EVOZ Coins.
• Misbehaving nodes (offline or manipulative) are automatically slashed.

PoSTA Technical Components

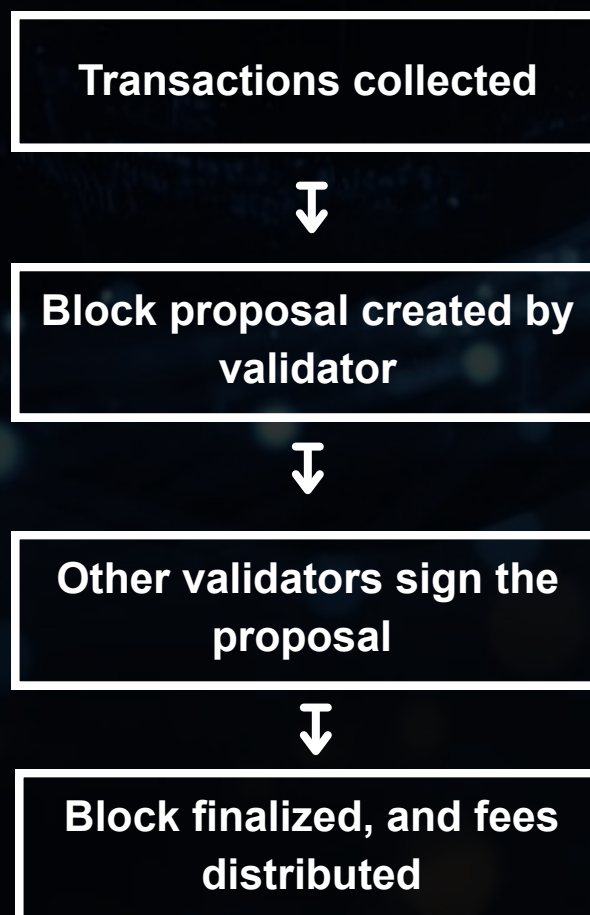| Component	Function	Notes
Validator Node	Creates and signs blocks	Must remain active and valid
Delegator	Stakes Coins to validators	Receives proportional rewards
Reputation Engine	Evaluates node performance	Enhances fair rotation
Slashing System	Penalizes misbehaving nodes	Prevents manipulation
Finality Module	Ensures no chain re fork	Final block ≤ 10 seconds

PoSTA Characteristics on EVOZ

- Fast finality: ± 10 seconds
- Theoretical throughput: 50,000 TPS
- 99% more energy-efficient than Proof of Work (PoW)
- Deterministic consensus (no reorganization)
- Ready for 100+ global validator nodes

PoSTA combines the speed and efficiency of PoA with the security of PoS.

Core Principles

- No block rewards
- Validators only earn transaction (gas) fees
- No new token minting (no inflation)
- Network validity maintained by stake and node reputation.

Workflow Process

```
┌─────────────────────────────┐
│   Transactions collected     │
└─────────────────────────────┘
              ↕
┌─────────────────────────────┐
│  Block proposal created by   │
│         validator            │
└─────────────────────────────┘
              ↕
┌─────────────────────────────┐
│   Other validators sign the  │
│          proposal            │
└─────────────────────────────┘
              ↕
┌─────────────────────────────┐
│   Block finalized, and fees  │
│         distributed          │
└─────────────────────────────┘
```
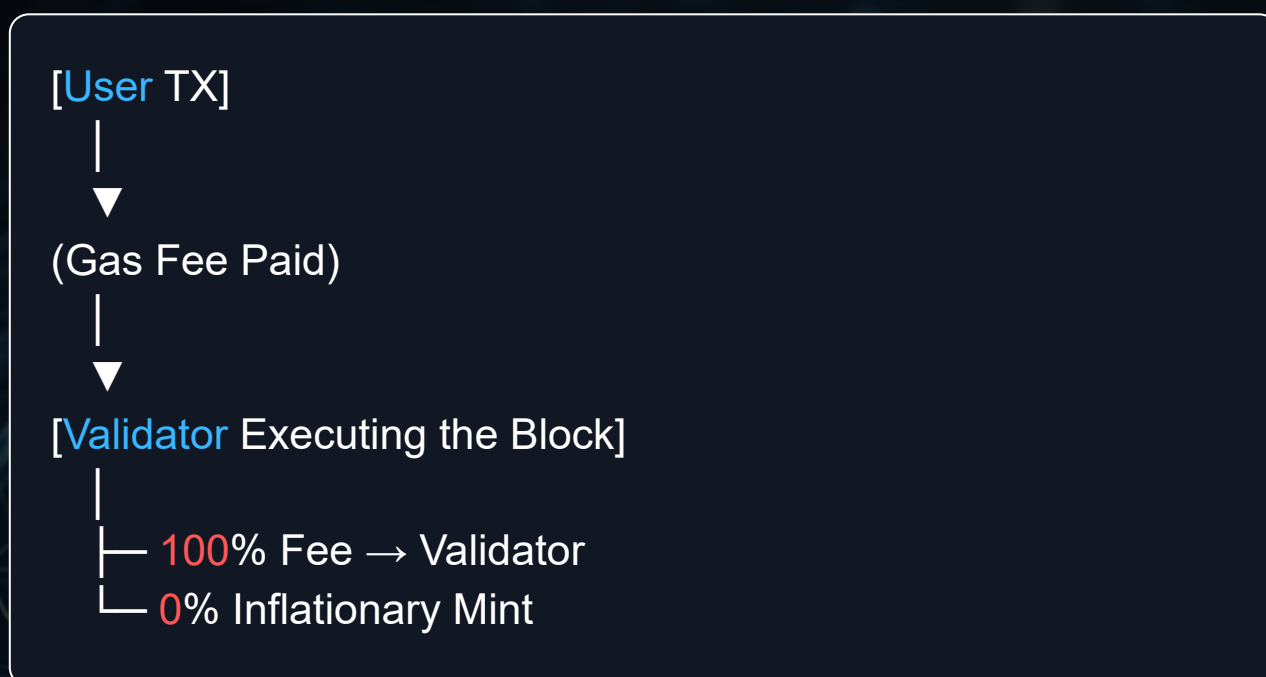
https://evoz.ai

Key Advantages

- Natural deflationary economy
- Fast finality (~10 seconds)
- Energy efficient (no mining)
- Inflation-free & sustainable

Fee Distribution Structure (PoSTA)

```
[User TX]
   |
   ▼
(Gas Fee Paid)
   |
   ▼
[Validator Executing the Block]
   |
   ├── 100% Fee → Validator
   └── 0% Inflationary Mint
```

6. Genesis Block & Node Infrastructure

EVOZ does not require a manual **genesis.json** file.
The genesis block is pre embedded within the EVOZ Geth binary, ensuring that every node joining the network starts from the same block 0 reference point.

Technical Implications

- Developers or validators do not need to run a manual genesis initialization.
- Simply download and run the official *geth-evoz* (or evoz-node) binary according to the correct version.

- The node will automatically synchronize with the official EVOZ Mainnet genesis block.

Steps to Run an EVOZ Node

1. Download the official binary

```
wget <coming_soon_url>
cd geth-evoz
```

2. Run the Mainnet node

```
./geth-evoz --networkid 805 --syncmode full --http --http.port 8545 --http.api "eth,net,web3" --port 30303
```

3. Check node synchronization

```
./geth-evoz attach
> eth.syncing
```

### 4. Explorer status

View your node status at: https://evozscan.com

https://evoz.ai

# 7. Validator Reward Model & Economy

| Reward Source | Description |
|---|---|
| Transaction Fee (Gas Fee) | Received by validators from on-chain transactions |
| Delegator Sharing (Coming Soon) | Validators can share a portion of fees with their delegators |
| No Block Subsidy | No automatic reward or block inflation from the system |

## Fee Distribution Structure

[User TX]

⇕

(Gas Fee Paid)

⇕

[Validator]
100% Fee → Validator
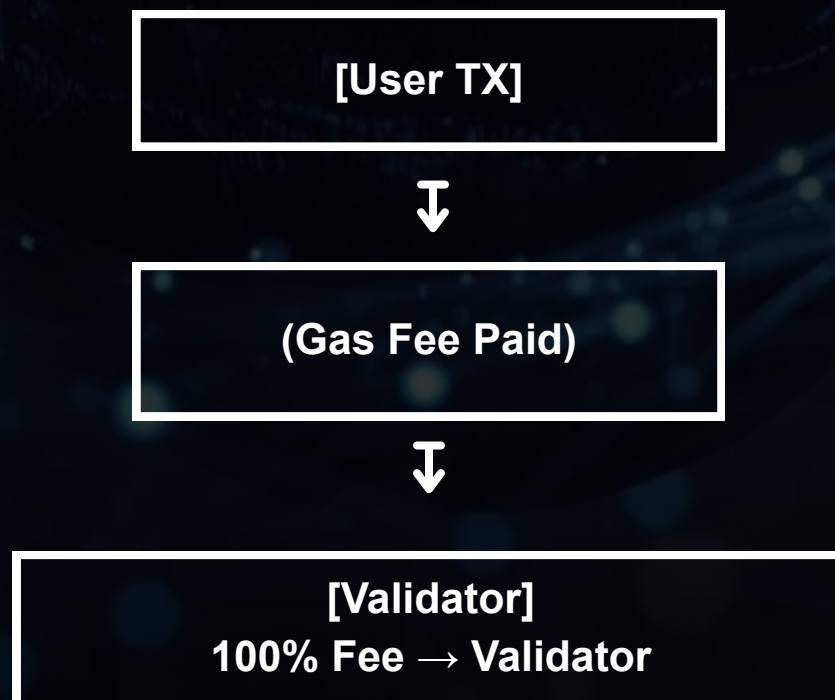
# Validator Architecture of EVOZ

## PoSTA Mechanism

- EVOZ does not provide block rewards like traditional Proof of Stake (PoS) systems.
- Validators earn only from transaction fees (gas fees) of the blocks they process.
- There is no additional token inflation, maintaining a deflationary and stable tokenomics model.
- Validators are selected based on on-chain stake and reputation, ensuring fairness and security.

## Node & Validator Preparation

## ✅ System Requirements

| Component | Recommendation |
|-----------|----------------|
| CPU | 4 Cores |
| RAM | 8 GB |
| Storage | 1 TB NVMe SSD |
| Operating System | Ubuntu 22.04 LTS |
| Bandwidth | ≥ 1 Gbps |
| Uptime | > 95% |

## Becoming a Validator

### 1. Generate Validator Key

```
/geth-evoz account new
```

2. Register Your Validator on the Explorer

Visit the EVOZ Validator Portal and submit your validator credentials using the following link: https://evozscan.com/form

3. Stake Requirement (Example)

```
stake --amount 100,000 EVOZ --validator
0xYourValidatorAddress
```

4. Start Participating in Consensus

Once registered and staked, your node becomes an active validator, eligible to produce and validate blocks within the PoSTA consensus network.

8. Developer Network

Mainnet

Parameter	Value
Network	EVOZ Mainnet
RPC	https://rpc.evozscan.com
Chain ID	**805**
Explorer	https://evozscan.com

Testnet

Parameter	Value
Network	EVOZ Testnet
RPC	https://rpctest.evozscan.com
Chain ID	**99199**
Explorer	https://testnet.evozscan.com

DApp Developer Guide
1. Hardhat Configuration

```
require("@nomicfoundation/hardhat-toolbox");

module.exports = {
  solidity: "0.8.19",
  networks: {
    evozMainnet: {
      url: "https://rpc.evozscan.com",
      chainId: 805,
      accounts: ["YOUR_PRIVATE_KEY"]
    },
    evozTestnet: {
      url: "https://rpctest.evozscan.com",
      chainId: 99199,
      accounts: ["YOUR_PRIVATE_KEY"]
    }
  }
};
```

2. Deploying a Smart Contract

```
npx hardhat run scripts/deploy.js --network evozTestnet
```

3. Contract Verification

```
Via Explorer :
https://testnet.evozscan.com/address/0xYourContractAddress
```

https://evoz.ai

9. Testnet Faucet

1. Visit https://evoz.app/testnet
2. Connect Wallet
3. Select Testnet Click **"Send A Request"**
4. Use the received test Coins for gas fee testing or smart contract deployment

10. Token Generator (No Coding Required)

URL: https://generator.evozscan.com

Steps:
1. Enter your token name & symbol
2. Set the total supply
3. Choose token features (burnable, mintable, taxable)
4. Click Generate Token
5. Your token will be automatically deployed on the EVOZ Testnet

This feature allows developers and communities to easily create tokens without any Solidity coding experience.

11. EVOZ Vesting Mechanism

Distribution Structure
- Total Community Airdrop: **3,187,500,000 EVOZ**
- Target Accounts: 10 Million Users
- Average per Account: 150 EVOZ Coins + 105 EVOZ Coins (Affiliate Bonus)
- Initial Price: $0.25 per EVOZ

Vesting Mechanism

- TGE (Token Generation Event): 10% released at mainnet launch
- Linear Vesting: Remaining Coins distributed linearly over 14 consecutive months after TGE
- Smart Contract Vesting: All distributions are handled automatically via on-chain vesting contracts

This model ensures fair distribution, long term commitment, and gradual coin circulation stability across the EVOZ ecosystem.

https://evoz.ai

EVOZ Vesting Schedule

Month	Distribution Type	Monthly Release	Cumulative Total
1	TGE	10%	10.00%
2	Linier Vesting	6.43%	16.43%
3	Linier Vesting	6.43%	22.86%
4	Linier Vesting	6.43%	29.29%
5	Linier Vesting	6.43%	35.72%
6	Linier Vesting	6.43%	42.15%
7	Linier Vesting	6.43%	48.58%
8	Linier Vesting	6.43%	55.01%
9	Linier Vesting	6.43%	61.44%
10	Linier Vesting	6.43%	67.87%
11	Linier Vesting	6.43%	74.30%
12	Linier Vesting	6.43%	80.73%

13	Linier Vesting	6.43%	87.16%
14	Linier Vesting	6.43%	93.59%
15	Linier Vesting	6.41%	100%

*The vesting mechanism safeguards the EVOZ ecosystem against excessive sell pressure, maintaining Coin price stability throughout the first **15 months of circulation.***

12. Total Supply

The total supply calculation includes:

- Community airdrop for 10 million accounts
- Affiliate bonus allocation
- 18% Liquidity & Ecosystem
- 2% Team

📊 Formula

$$(10{,}000{,}000 \times (150+105)) \times 1.25 = \textbf{3,187,500,000 EVOZ}$$

Total Supply: 🏛 3,187,500,000 EVOZ
(Three billion one hundred eighty seven million five hundred thousand coins)

13. EVOZ Technical Roadmap

Phase	Period	Main Objectives
Q4 2025	Launch Testnet v1	Faucet, Token Generator, PoSTA test
Q4 2025	Developer Network Release	SDK, Wallet Connect, Explorer API
Q4 2025	Mainnet Launch, DEX & Bridge	Global Validators, PoSTA Activation, Stable Asset Integration
Q1 2026	Listing CEX	CMC & CoinGecko
Q2 2026	DAO Governance	Voting, Proposal, Treasury
Q3 2026	Global RWA Expansion	Tokenization of Gold, Real Estate, and Bonds
Q4 2026+	Ecosystem Growth	Launchpad, Grant Program, GameFi

14. Tokenomics

Category	Allocation	Description
Community (Airdrop)	80%	Public ownership
Infrastructure	18%	Network support
Core Team & Developer	2%	24-month vesting

15. Governance DAO

The EVOZ DAO will serve as the decision-making hub:

- On-chain voting using EVOZ Coins
- Proposals can be submitted by the community
- The DAO treasury is managed transparently through smart contracts.

16. Interoperability & RWA

The EVOZ Bridge SDK connects major networks such as Ethereum, BSC, and Polygon. EVOZ-3643 enables the tokenization of real-world assets (RWA) such as gold, real estate, and securities.

"From the real world to Web3 EVOZ bridges value with blockchain transparency."

17. Security & Audit

Publicly verifiable on EVOZScan. Open bug bounty program for community developers

18. Conclusion

EVOZ is more than just a blockchain. EVOZ is a global movement to build a decentralized ecosystem that is efficient, transparent, and community owned.

With a non-inflationary system, PoSTA consensus, and an active developer ecosystem, EVOZ is ready to become the blockchain of the future that unites the real world and Web3.

"EVOZ doesn't belong to one person. It belongs to everyone who believes in the future of decentralization."

19. Technical References

Component	Link
Mainnet Explorer	https://evozscan.com
Testnet Explorer	https://testnet.evozscan.com
Token Generator	https://generator.evozscan.com
Faucet	https://evoz.app/testnet