🖤 Vexa Chain — Rebuilding Blockchain Efficiency

🚀 Abstract

Vexa Chainisa next-generation, high-performance blockchain designed for scalability, advanced cryptographic security, and true decentralization. It empowers developers, investors, and communities through seamless staking, DAO governance, and smart-contract automation — creating a secure, cross-chain financial ecosystem.

🌐 Network Overview

- **Network Type:** Mainnet

- **P2P Port:** 8080

- **API Port:** 3001

- **Node ID:** `node_8080_1761904932`

- **Features:** Token Burning | DAO Governance | Cross-Chain Bridge | Security Audit

- **Hashrate:** ≈ 4000 H/s

- **Difficulty:** 4

⚙️ Core Features

✅ Token Burningmechanism
✅ DAO Governance and community voting

✅ Cross-Chain Bridge for asset interoperability
✅ Dynamic Difficulty and Security Audit
✅ REST API & Smart Contract Framework

💰 Tokenomics & Allocation

Allocation Type	Amount (VEXA)	Description
Total Supply	100,000,000	Fixed maximum supply
Staking Rewards	25,000,000	For active stakers
DAO Treasury	10,000,000	Governance & grants
Bridge Reserve	5,000,000	Cross-chain operations
Security Fund	2,000,000	Network audits
Genesis Supply	14,000,000	Initial distribution
Inflation Rate	5 % 2 %	Controlled growth
Deflation Rate		Burn mechanism

🧠 Consensus & Security

- Digital Signatures ✅

- Double-Spending Protection ✅

- 51 % Attack Detection ✅

- Dynamic Difficulty ✅

- Transaction FeesandFinality ✅

Vexa Chain's consensus ensures energy-efficient, tamper-proof validation and rapid block finalization.

💎 Staking System

- **APR:** 15 %

- **Total Staked:** 1,500 VEXA

- **Stakers:** 3

- **Lock Duration:** 30 days

- **Rewards Distributed:** 0 VEXA (initial phase)

Stakingempowers community participation and stabilizes token circulation through reward-based engagement.

🤖 Smart Contracts

- Supports **VEX Smart Contracts** with gas optimization.

- Example Contract: `CONTRACT_2`

- Gas Used: 1000 units

- Function Executed: `set("message", "Hello NOVA Smart Contracts!")`

🏛️ DAO Governance

Community-driven treasury andupgrade management through on-chain voting.
DAO Treasury: 4,000,000 VEXA.
Every staker is a voter.

🔗 Cross-Chain Bridge

Bridge Reserve: 5,000,000 VEXA.
 Interoperable architecture for asset transfer across multiple blockchains.

✳️ Developer API & Tools

- **Endpoints:** `/blocks`,`/transactions`, `/contracts`, `/wallet`

- **Explorer:** `http://localhost:3001/explorer`

- **REST API:** Active on port 3001

Enablingdevelopers to integrate, monitor and build dApps with ease.

📈 Network Statistics

Metric	Value		
Total Blocks	2	1	50
Total Transactions	VEXA	4	
Total Volume	4000 H/s		
Active Peers			
Hashrate			

🏛️ Genesis Wallet Balances

Wallet	Balance (VEXA)
Nova Foundation	20,000,000
Dev Team	12,000,000
Community Fund	8,000,000
Staking Pool	10,000,000

DAO Treasury	4,000,000
Bridge Reserve	2,000,000

🛤️ Roadmap

Phase 1: Mainnet Stability & Optimization
Phase 2: DAO Governance Deployment
Phase 3: Cross-Chain Bridge Integration
Phase 4: Exchange Listing & Staking Expansion

🌟 Conclusion

Vexa Chain combines security, speed and community governance to redefine blockchain efficiency.
 It is not just a chain — it is a movement towards true decentralization.