RICHX COIN

RXC

TECHNICAL WHITEPAPER

Sovereign Infrastructure. Not Rented Trust.

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Abstract

RichX Chain is a sovereign, privately operated, proof-of-authority blockchain, purpose-built to run trading infrastructure — beginning with RichXSwap, a native decentralized exchange — without dependence on rented validator networks or third-party consensus infrastructure. RXC is the native coin of RichX Chain: it pays for gas, secures the economic layer of the network, and wraps 1:1 into WRXC for use across the on-chain exchange. This document describes the network's architecture, the coin's economics, deployed contract addresses, the operating security model, how to connect a wallet, and the chain's forward-looking approach to post-quantum cryptography.

1. Introduction

Most public blockchains ask participants to trust a large, diffuse, and often anonymous set of third-party validators. That model has real strengths — censorship resistance chief among them — but it also means no single party is fully accountable for network security, uptime, or integrity, and users have no practical way to audit who is actually securing their transactions.

RichX Chain takes a different, explicitly disclosed approach: a single accountable operator runs the network end-to-end, from validator hardware to smart contract deployment to token economics. This is not marketed as decentralization — it is sovereignty. The trade-off is transparent: in exchange for giving up validator diffusion, users get a fully auditable, single-point-of-accountability chain with a published security stack, rather than a trust model that is difficult to inspect in practice.

2. Network Architecture

2.1 Consensus

RichX Chain runs Proof-of-Authority (PoA) consensus with an approximately 15-second block time. PoA was chosen deliberately over Proof-of-Work or open Proof-of-Stake specifically because the network's stated goal is sovereign, accountable infrastructure — PoA's smaller, permissioned validator set is consistent with that goal rather than working against it.

2.2 EVM Compatibility

RichX Chain is fully EVM-compatible. Standard Ethereum tooling — MetaMask, Hardhat, ethers.js, Web3.js, and Remix — works against RichX Chain without modification.

3. RichX Coin (RXC) — Token Economics

Parameter	Value
Name	RichX Coin
Ticker	RXC
Chain	RichX Chain (native coin — not a token contract)
Wrapped equivalent	WRXC (1:1, ERC-20 style, tradable on RichXSwap)
Total supply	1,000,000,000 RXC (fixed)
Opening price	$0.10
Fully diluted valuation	$100,000,000 at opening price
Consensus	Proof-of-Authority
Block time	~15 seconds
Chain ID	20260618
EVM compatibility	Full — MetaMask, Hardhat, ethers.js, Web3.js, Remix
Primary price discovery	ETHIC+ / WRXC liquidity pool on RichXSwap

RXC is not an ERC-20 token — it is the chain's native coin, functioning the same way ETH functions on Ethereum or BNB functions on BNB Chain. It is required to pay gas for every transaction and smart contract interaction on RichX Chain.

For use inside DeFi applications that expect ERC-20-style tokens, RXC wraps 1:1 into WRXC. This is the same pattern used across the EVM ecosystem — WETH on Ethereum, WBNB on BNB Chain.

4. Deployed Contract Addresses

PLACEHOLDER NOTICE: The addresses below are unpopulated placeholders. This whitepaper must not be published or distributed with placeholder contract addresses left in place — doing so creates real risk of users being misdirected to an incorrect or malicious contract. Insert the verified, deployed mainnet addresses before release, and have a second person independently confirm each address against the actual on-chain deployment before publishing.

Contract	Address
`WRXC (Wrapped RXC)`	`[ INSERT DEPLOYED ADDRESS — DO NOT PUBLISH UNTIL CONFIRMED ]`
`RichXSwap Factory`	`[ INSERT DEPLOYED ADDRESS — DO NOT PUBLISH UNTIL CONFIRMED ]`
`RichXSwap Router02`	`[ INSERT DEPLOYED ADDRESS — DO NOT PUBLISH UNTIL CONFIRMED ]`
`RXCInfo (metadata)`	`[ INSERT DEPLOYED ADDRESS — DO NOT PUBLISH UNTIL CONFIRMED ]`

All contract addresses should additionally be published on richxscan.com once the explorer is live, so users have a second, independent place to verify them beyond this document.

5. RichXSwap — Native Exchange Layer

RichXSwap is a decentralized exchange built on Uniswap V2 architecture, deployed natively on RichX Chain. It provides permissionless token swaps and liquidity provision with no third-party dependency. Primary price discovery for RXC currently occurs through the ETHIC+/WRXC liquidity pool on RichXSwap.

6. Connecting a Wallet — MetaMask Setup

RichX Chain is fully EVM-compatible, so any standard EVM wallet works. The steps below use MetaMask as the reference example.

6.1 Add RichX Chain as a network

1. Open MetaMask and click the network selector at the top of the app.
2. Select "Add Network" → "Add a network manually."
3. Enter the following details exactly:

Field	Value to enter
Network Name	RichX Chain
New RPC URL	https://richxchain.com/rpc
Chain ID	20260618
Currency Symbol	RXC
Block Explorer URL	https://richxscan.com

4. Save. MetaMask will switch to RichX Chain automatically. Your RXC balance (the native coin) will now display directly — no further action is needed to see RXC itself, since it behaves like ETH does on Ethereum.

6.2 Import WRXC (or any RichX Chain token) manually

Native RXC appears automatically once the network is added. WRXC and any other ERC-20-style token on RichX Chain will not appear automatically and must be imported manually:

5. In MetaMask, scroll to the bottom of your token list and click "Import tokens."
6. Select the "Custom Token" tab.
7. Paste the WRXC contract address from Section 4 into the "Token Contract Address" field.
8. Token symbol (WRXC) and decimals should auto-populate. Verify they match before continuing — if they don't auto-populate correctly, do not proceed without double-checking the address.
9. Click "Add Custom Token," then "Import Tokens" to confirm.

Always copy contract addresses directly from richx.io or richxscan.com — never from a link in an unsolicited message, social media comment, or search ad. Fraudulent lookalike tokens on the same address format are a common attack pattern across EVM chains.

7. Security Architecture

RichX Chain publishes its operational security stack rather than asking users to take network integrity on faith. The following controls are active on the validator infrastructure securing the chain:

Layer	Function
UFW firewall	Strict ingress/egress filtering on all validator infrastructure
Fail2Ban	Automated intrusion prevention against brute-force and abuse patterns
AI Guardian	Real-time automated monitoring of node behavior and anomalies
ClamAV + rkhunter	Daily malware and rootkit scanning
auditd	System call-level audit logging
Immutable critical files	Core system files locked against unauthorized modification
Encrypted backups	Daily, encrypted at rest
Real-time alerting	Telegram-based operator notification on security events

8. Post-Quantum Roadmap

Every address on RichX Chain today is secured by ECDSA — the same elliptic-curve cryptography used across Ethereum, BNB Chain, and the overwhelming majority of current EVM-compatible networks. ECDSA is cryptographically strong against classical computers today, and is also precisely the category of cryptography a sufficiently powerful quantum computer, using Shor's algorithm, is expected to eventually break.

RichX Chain is committed to migrating toward NIST-standardized post-quantum signature schemes — specifically CRYSTALS-Dilithium and SPHINCS+ — as production-ready tooling matures across the broader EVM ecosystem.

As of this version of the whitepaper, RichX Chain's cryptography is standard ECDSA; the post-quantum migration is a forward roadmap item, not a currently deployed feature.

9. Ecosystem

- richxchain.com — the network layer: proof-of-authority consensus, validator infrastructure, and chain data.
- richxswap.com — the exchange layer: RichXSwap, the native Uniswap V2-architecture DEX.
- richxbridge.com — the bridge layer: moving assets across chains without leaving the RichX ecosystem.
- richxscan.com — the explorer layer: a full sovereign block explorer, in active development.

10. Risk Disclosures

- RXC and WRXC are not offered or marketed as securities. Nothing in this document constitutes financial, investment, legal, or tax advice.
- RichX Chain is a privately operated, sovereign network. This is a deliberate design choice, disclosed openly, and represents a different trust model than a fully decentralized validator network.
- Smart contracts deployed on RichX Chain are provided as-is. No software is free of risk, and past security auditing does not guarantee future performance.
- No warranty is made regarding uninterrupted availability of the network, RPC endpoint, block explorer, or any ecosystem product.
- The post-quantum roadmap in Section 8 is a forward commitment, not a currently deployed capability.
- Always verify contract addresses independently before interacting with them — see Section 4 and Section 6.2.

11. Conclusion

RichX Chain's premise is straightforward: infrastructure should be owned, not rented, and that ownership should come with transparency, not just a marketing claim of decentralization that's difficult for any individual user to verify. RXC exists to make that infrastructure functional — paying for gas, wrapping into a tradable asset, and anchoring the economic layer of a chain that discloses exactly how it secures itself and exactly how it plans to stay secure as cryptographic standards evolve.

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This document is subject to revision. The most current version will always be available at richx.io.