

CCHChain: The Premier Blockchain Infrastructure

Executive Summary

CCHChain introduces a groundbreaking, next-generation blockchain ecosystem meticulously engineered to address the critical needs of the rapidly evolving digital asset landscape. Built upon the robust and proven SHA-256 algorithm, CCHChain operates as a truly independent and decentralized network, distinguished by its finite supply of 18,888,888 CCH coins. Our platform uniquely combines secure, regulated mining protocols with the innovative CCHChain Layer-a sophisticated tokenization engine. This powerful synergy empowers individuals, developers, and enterprises with an unparalleled solution for the efficient, secure, and cost-effective creation, management, and exchange of both fungible and non-fungible digital assets.

CCHChain Blockchain Overview

CCHChain stands as a testament to secure, scalable, and efficient blockchain architecture, offering a foundational layer optimized for trust and performance.

Core Technical Attributes:

- Consensus Algorithm: SHA-256 - Leveraging the cryptographic security and battle-tested reliability of the Bitcoin-derived SHA-256 proof-of-work mechanism.
- Total Coin Supply: 18,888,888 CCH - A fixed and transparent supply.
- Block Time:
 - * Minimum: 1.5 minutes
 - * Average: 2.5 minutes
- Maturity Period after Height 1000: 2,628,000 blocks (~10 years).

Advanced Mining Process and Reward Structure

Following a pre-mining phase distributing 8,888,880 CCH across the first 113 blocks, CCHChain transitioned to a stable mining model. Each block yields 0.5 CCH as reward. From block 1000, only Trusted Miners may mine, requiring:

- 500,000 CCH minimum stake.
- KYC verification via CCHChain SSO.
- Valid Mining Certificate for block authorization.

CCHChain Layer: The Smart Tokenization Platform

CCHChain Layer is a powerful second-layer protocol on the CCHChain network.

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Key Highlights:

- Built on a modified OmniLayer Protocol.
- Supports both fungible and non-fungible tokens (FTs/NFTs).
- Allows creation of custom digital currencies and real-world asset tokenization.
- Advanced token delegation and metadata binding supported.

Zero-Fee Model for Token Operations

CCHChain Layer's standout feature is its zero-fee policy:

- No token creation fees.
- No send fees (simple send).
- No asset management fees.

Only the minimal network transaction fee in CCH applies, ensuring cost-effective deployment versus Ethereum and others.

Robust Technical Features

- Token data uses OP_RETURN (Class C transactions), enabling pruning and reducing blockchain bloat.
- All token operations must originate from the same address holding both token and CCH.
- Explicit 'From-Address' required, enhancing traceability and security.

NFT Functionality & Future Enhancements

CCHChain Layer will soon support complete NFT lifecycle management with:

- Unique token indexing and metadata.
- Detailed issuer and holder records.
- Managed delegation of NFT rights.

Real-World Applications

CCHChain supports:

- Enterprise digital currencies.

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- Commodity-pegged tokens (e.g., gold, oil).
- Utility tokens for decentralized platforms.
- NFT assets and collectibles.
- Immutable records for finance, ID, and real estate.

Contact Us

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