

FADAKA — THE SILVER LAYER

The Layer 1 Blockchain for the Web4 Era

Abstract

Fadaka is a Layer 1 blockchain protocol designed for the next generation of Web4 infrastructure — combining scalability, sovereignty, and cultural depth. Built with a modular architecture, Fadaka introduces FadakaBFT, a hybrid Proof-of-Stake + Delegated Byzantine Fault Tolerant consensus mechanism optimized for energy efficiency, instant finality, and global participation.

Vision

Fadaka (meaning Silver in Yoruba) symbolizes reflection, purity, and value — mirroring its mission to reflect trust and transparency in the digital economy. “The Silver Layer that Reflects the Future.”

Architecture Overview

Fadaka’s design philosophy follows modular minimalism — separating consensus, execution, and data layers while maintaining interoperability with Ethereum, Cosmos, and Solana.

Consensus Mechanism — FadakaBFT

FadakaBFT merges Proof-of-Stake validator selection with Delegated Byzantine Fault Tolerance for high throughput and rapid finality.

Tokenomics — The FADK Token

Symbol: FADK | Supply: 1B | Inflation: 3% per year | Use: Staking, Gas, Governance | Partial fee burn for deflation.

Smart Contract Layer — Web4VM

Web4VM powers Fadaka’s execution environment, supporting Rust, Go, Solidity, and Python via WASM with parallel execution.

Interoperability — FadakaBridge

FadakaBridge links Layer 1 and Layer 2 ecosystems with IBC-style cross-chain messaging, Ethereum/Cosmos bridges, and zk-rollup settlement.

Security & Cryptography

Features Ed25519 + BLS signatures, future quantum-safe options, on-chain fraud proofs, and validator monitoring via FadakaGuard.

Governance Model

DAO-based governance, Fadaka Council, and on-chain voting for all network upgrades.

Developer Ecosystem

Includes fadaka-node, fadaka-cli, fadaka-sdk-js, and fadaka-runtime for smart contract deployment and network operations.

AI + Web4 Integration

Fadaka integrates with decentralized AI modules, data oracles, and connects to Lola and RODAAI for intelligent automation.

Roadmap

Phase 1: Genesis | Phase 2: Testnet | Phase 3: Rollups | Phase 4: Mainnet | Phase 5: AI Modules.

Ecosystem Vision

Fadaka is the foundation of the Web4 Universe — powering Fluukpe, QUBUHUB, and Web4AI. Built in Africa, for the World.

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