

Overview

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Scalion is a sovereign, compliant, and high-performance blockchain designed for enterprises, nations, & Web3 adoption.
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Built on Tri-Path Consensus and a multi-client infrastructure, Scalion achieves real-time transaction finality (95% <0.6s, 99% <2s) while maintaining resilience under extreme stress.
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With native EVM and SVM (Solana Virtual Machine) compatibility, Scalion ensures seamless migration of existing dApps and opens new pathways for sovereign applications.
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Its architecture combines ultra-fast finality, near-infinite scalability, systemic resilience, & regulatory alignment, making it the foundation for sovereign-grade applications & regulated digital assets.
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The network is engineered for zero downtime, systemic risk reduction, and stable, near-zero transaction costs through localized fee markets.
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Consensus & Finality

- Tri-Path Consensus:** Fast, Normal, and Fallback modes ensure unmatched reliability
- Finality:** 95% <0.6s, 99% <2s – real-time settlement
- Byzantine Fault Tolerance:** secure even with up to 1/3 validator failure
- Resilience:** Recovery <10s under partitions

Network Architecture

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Zero Downtime: Multi-layer redundancy + distributed validator sets
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Multi-Client Implementations: Independent clients reduce systemic risk
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Local Fee Markets: shard-based pricing avoids global congestion → stable, near-zero transaction costs

VM Compatibility

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Multi-vm Support: EVM + SVM (solana virtual machine)
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dApp Migration: Seamless Porting Of Existing Smart Contracts
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Developer-Friendly: Supports Solidity, Rust, And Anchor

Governance & Compliance

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Sovereign Validator Selection: Transparent, prevents centralization of power

01
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Regulatory Alignment: FATF, MICA, GDPR, SEC, ECB, BaFin

02
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Compliant Onboarding: Ensures only serious projects, blocks scams

03

Security

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Zero-Trust Architecture:
Ongoing third-party verification

01
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Continuous Independent Audits:
Least privilege enforced across all layers

02

Consensus & Finality

01. **Native Utility:** Gas token for all transactions, smart contracts, and governance
02. **Staking & Security:** validators and delegators stake SCAL to secure consensus and earn rewards
03. **Governance:** Holders propose & vote on upgrades, validator elections, and compliance frameworks
04. **Incentives:** Ecosystem funding, developer grants, adoption programs
05. **Future Plans:** Tokenomics & supply disclosure (coming soon), CEX/DEX listings planned

Roadmap (Coming Soon)

01. **Testnet:** Live rollout
02. **VM Compatibility:** EVM + SVM launch
03. **Mainnet:** Sovereign-ready Deployment
04. **Tokenomics & Listings:** Disclosure and global CEX/DEX launch

Summary

Scalion Delivers What Today's Blockchains Lack:

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Performance: Sub-second finality, scalable throughput
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Sovereignty: Governance model preventing validator centralization
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Resilience: zero downtime, multi-client security
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Utility: SCAL token secures consensus, powers fees, and drives governance

This combination positions Scalion as the sovereign, compliant, and technically superior blockchain for regulated digital assets, institutional adoption, and Web3 innovation.