

JurisChain

A Cryptographic Trust Layer for Legal Evidence

Whitepaper — 2026

Abstract

JurisChain is a decentralized digital notary that enables verifiable, tamper-proof proof of existence and integrity for legal records using cryptographic techniques and blockchain infrastructure.

If something matters legally, JurisChain proves it existed — and that it has not been altered.

1. The Problem

Legal systems rely on intermediaries such as notaries, institutions, and paper-based processes. These systems can be slow, costly, and difficult to verify across jurisdictions.

2. The Insight

A document does not need to be stored to be proven. Instead, a cryptographic fingerprint (hash) uniquely represents it.

3. The Solution

JurisChain enhances legal processes by adding a cryptographic verification layer that ensures integrity and timestamped proof.

4. How It Works

1. Document processed locally
2. Hash generated
3. Hash anchored on-chain
4. Proof Transaction Hash generated
5. Verification compares hashes

5. Architecture

Client-side hashing, blockchain anchoring (Ethereum / Polygon), and verification layers ensure trust without storing documents.

6. Security Model

No documents are stored. Only hashes are processed, ensuring privacy and integrity.

7. Compliance

Aligned with GDPR (data minimization), eIDAS principles, and ISO 27001 security practices.

8. Regulatory Positioning

JurisChain does not replace legal institutions. It supports them by providing an additional layer of verifiable evidence infrastructure.

9. Vision

JurisChain aims to become the global trust layer for verifiable legal evidence.

JurisChain represents an evolution of legal infrastructure where traditional trust is supported by cryptographic verification.