

## DATA SECURITY &amp; TRUST

# Privacy enforced at the infrastructure layer.

Treza doesn't bolt privacy onto existing systems — it enforces it at runtime, before sensitive data can reach models, logs, or downstream services. No configuration drift. No manual review gaps.

Designed for **security and compliance teams that need verifiable guarantees** — not checkbox policies.

## SECURITY ARCHITECTURE

## Layer 01

**Runtime Enforcement**

PII is intercepted and stripped before it enters any downstream system. Field-level policies enforce minimum-necessary access — no overrides, no logging of what was removed.

## Layer 02

**Encrypted Vault**

Sensitive fields are stored in an encrypted vault with AES-256 at rest and TLS 1.3 in transit. Decryption requires an explicit, declared purpose — not just a valid token.

## Layer 03

**Consent-Gated Access**

Every retrieval is tied to a stated purpose and subject identity. Access without a valid consent record is denied at the API level — not just logged after the fact.

## Layer 04

**Immutable Audit Log**

Every access event — granted or denied — is written to a tamper-evident log. Records include actor, purpose, timestamp, and record ID. Exportable for any audit framework.

## COMPLIANCE COVERAGE

**GDPR**

Lawful basis, data minimization, erasure rights, Article 30 records

**CCPA / CPRA**

Consumer opt-out, data deletion, purpose limitation

**HIPAA**

PHI access controls, audit controls, minimum necessary standard

**SOC 2 Type II**

Availability, confidentiality, processing integrity evidence

## TRUST PRINCIPLES

**Zero-trust data access**

No implicit access by role or service. Every retrieval must declare intent and match an active consent record.

**No plaintext in transit or at rest**

PII fields are encrypted end-to-end. Treza staff cannot access customer data — only customers and their designated systems can.

**Breach containment by design**

Because sensitive fields are stripped before reaching models or logs, a downstream breach exposes redacted data — not raw PII.