

# T.A.L.A. Security Whitepaper

Comprehensive Security Architecture Overview

January 2026

## 1. Executive Summary

This document outlines T.A.L.A.'s comprehensive security architecture, including encryption standards, compliance frameworks, and security practices.

## 2. Encryption Standards

- AES-256-GCM for data at rest
- TLS 1.3 for data in transit
- Perfect Forward Secrecy enabled
- Hardware Security Modules for key storage

## 3. Compliance Standards

- ISO 27001:2022 Certified
- SOC 2 Type II Compliant
- GDPR Compliant
- CCPA Compliant
- FERPA Compliant for Education
- HIPAA Ready for Healthcare