
ATTENDEX | PRIVACY & COMPLIANCE MANIFESTO

Protocol Version: 26.0.4-Stable

Status: GDPR, CCPA, & FERPA Compliant

Encryption Standard: AES-256-GCM / RSA-4096

1. THE ZERO-KNOWLEDGE DOCTRINE

Attendex operates under a **Data Minimization** mandate. We do not just protect data; we eliminate the necessity of its existence on our central servers.

- **Non-Reversible Biometrics:** Our proprietary "Jelly" hashing algorithm converts biometric scans into high-dimensional mathematical coordinates.
- **One-Way Transformation:** Once a scan is converted into a hash, the original image/fingerprint is purged from volatile memory. It is mathematically impossible to reconstruct a human face or print from our stored coordinates.

2. SOVEREIGN DATA ARCHITECTURE

We believe data should stay where it is created.

- **On-Device Processing:** 90% of attendance computation occurs on the user's local silicon (Edge Computing). This reduces the risk of Man-in-the-Middle (MITM) attacks.
- **Jurisdictional Hosting:** Data is stored in "Sovereign Nodes" within the legal jurisdiction of the institution, ensuring strict adherence to local privacy laws (e.g., GDPR in the EU).

3. THE VAULT: RETENTION & PURGE

To prevent the accumulation of "Data Exhaust," Attendex utilizes an automated **Hydra-Purge** cycle:

- **Transaction Logs:** Raw access logs are cryptographically shredded every **24 hours**.
- **Aggregate Data:** Only anonymized, high-level statistical data (e.g., "94% Attendance Rate") is retained for long-term institutional reporting.
- **Zero-Tracking:** We do not track location history, device contacts, or web activity. Our

"Handshake" protocol ensures only the necessary attendance packet is transmitted.

4. UNIVERSAL USER RIGHTS (THE MATRIX)

In accordance with global privacy standards, every Attendex user is granted four fundamental digital rights:

1. **Right to Erase:** Permanent deletion of your hash-identity upon institutional offboarding.
2. **Right to Export:** Obtain a machine-readable copy of your attendance and academic history.
3. **Right to Port:** Transfer your digital credentials between Attendex-authorized nodes.
4. **Right to Correct:** A transparent process to dispute and rectify automated attendance logs.

5. TECHNICAL SAFEGUARDS

- **Encryption at Rest:** All database entries are encrypted using **AES-256-GCM**.
 - **Encryption in Transit:** All API communication is forced over **TLS 1.3**.
 - **Audit Trails:** Every access request by an administrator is logged in a tamper-proof, append-only ledger.
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6. COMPLIANCE ATTESTATION

Attendex hereby certifies that its infrastructure meets the requirements for:

- **GDPR:** General Data Protection Regulation (Right to be Forgotten).
 - **FERPA:** Family Educational Rights and Privacy Act (Student Record Safety).
 - **CCPA:** California Consumer Privacy Act (Data Transparency).
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