

Logs are not proof

Almost every system can show you a log. But a log that you, an insider, or an attacker could quietly edit is not evidence. When the question is "prove what your AI did, and prove the record was not altered," ordinary logging cannot answer it. **Evidence is a property of how the record is made, not whether one exists.**

The gap in ordinary logging

Most logs are mutable, held by the same system or vendor that produced them, and assembled after the fact. Each of those is a reason a regulator or a court will discount them. If the keeper of the log could have changed it, its word against a determined challenge is weak.

What turns a record into evidence

Signed at the source

Each entry is cryptographically signed by the device that produced it, so its origin cannot be repudiated later.

Tamper-evident

Entries are hash-chained: each one carries a fingerprint of the one before it. Change any entry and every fingerprint after it breaks. Alteration is not prevented, it is made undeniable.

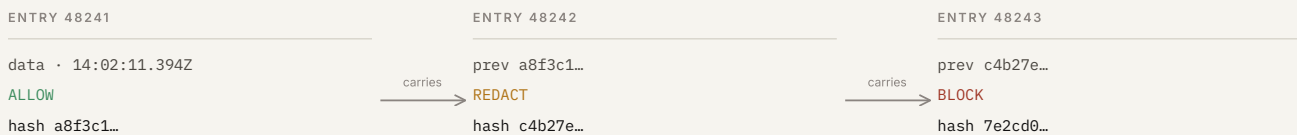
Independent of the vendor

Content is encrypted under keys the institution holds. You do not have to trust the vendor's word, because the vendor cannot read or alter the record.

Complete, not sampled

The record is written before content leaves the device, on every interaction, not reconstructed afterward from samples.

The hash chain, in one picture



Each entry carries the fingerprint of the one before it. Edit entry 48241 and its hash changes, which means the "prev" in 48242 no longer matches, which breaks 48243, and so on to the end of the chain. One change is visible everywhere after it.

Why this matters where you operate

CJIS audit requirements, HIPAA accountability, litigation holds, and any proceeding that turns on "what did the system actually do" all demand a record that survives challenge. A signed, hash-chained record held under your own keys is one you can stand behind without asking anyone to take your word for it.

Anyone can keep a log. Evidence is a log that can prove it was not changed.