Qledger

Compliance Evidence Report

Generated: 2026-04-17 01:15:48 UTC

Node: node-01

Chain Summary

Total Entries	28
Chain Integrity	■ COMPROMISED
Head Entry	1d3e8203-f491-448a-9dd1-72ed6dd06b3f...
Generated	2026-04-17 01:15:48 UTC

NIST Controls

2 of 4 controls satisfied

■ AU-2 - Audit Events

Identify types of events requiring auditing

Total Events	28
Event Types	['ai_decision_credit', 'ai_decision_fraud_clear', 'ai_decision_fraud_flag', 'audit_initiated', 'chain_integrity_check',
Tls Events	9
Blocked Events	0

■ Qledger captures all TLS connection events including PQC status, policy enforcement actions, and blocked connections.

■ AU-3 - Content of Audit Records

Audit records contain sufficient information to establish what occurred

Required Fields Present	['id', 'timestamp', 'source', 'action', 'payload', 'entry_hash', 'signature']
Missing Fields	[]
Sample Payload Fields	['client_ip_hash', 'ke_group', 'tls_protocol', 'pqc_status', 'policy_mode', 'blocked', 'backend_ms', 'note', 'timestamp_

■ Each entry contains: unique ID, timestamp, source system, action type, structured payload, chain hash, and ML-DSA-65 signature.

■ AU-9 - Protection of Audit Information

Audit tools and information protected from unauthorized access/modification

Chain Integrity	COMPROMISED

Total Entries Verified	0
Chain Errors	[]
Signing Algorithm	HMAC-SHA3-256-DEV
Quantum Safe Signatures	False

■ Entries are SHA3-256 hash-chained and signed with ML-DSA-65 (FIPS 204). Any modification to any entry breaks the chain and is immediately detectable. Signatures are quantum-safe - cannot be forged even with a quantum computer.

■ AU-10 - Non-Repudiation

Protect against an individual falsely denying performing an action

Total Signed Entries	28
Pqc Signed Entries	0
Signing Algorithms	['HMAC-SHA3-256-DEV']
Key Id	node-01

■ Every entry is cryptographically signed with a node-specific ML-DSA-65 key. Actions cannot be denied or repudiated - the signature proves what happened, when, and that the record is unchanged.

CMMC Controls

1 of 2 controls satisfied

■ AU.2.041 - Protect Audit Logs

Ensure audit logs are protected from unauthorized access and modification

Chain Integrity	COMPROMISED
Total Entries Verified	0
Chain Errors	[]
Signing Algorithm	HMAC-SHA3-256-DEV
Quantum Safe Signatures	False

■ Entries are SHA3-256 hash-chained and signed with ML-DSA-65 (FIPS 204). Any modification to any entry breaks the chain and is immediately detectable. Signatures are quantum-safe - cannot be forged even with a quantum computer.

■ AU.2.042 - Create and Retain Audit Logs

Create and retain audit logs to enable monitoring and investigation

Total Events	28
Event Types	['ai_decision_credit', 'ai_decision_fraud_clear', 'ai_decision_fraud_flag', 'audit_initiated', 'chain_integrity_check',
Tls Events	9
Blocked Events	0

■ Qledger captures all TLS connection events including PQC status, policy enforcement actions, and blocked connections.

HIPAA Controls

1 of 1 controls satisfied

■ 164.312(b) - Audit Controls

Hardware, software, and procedural mechanisms to record and examine activity

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