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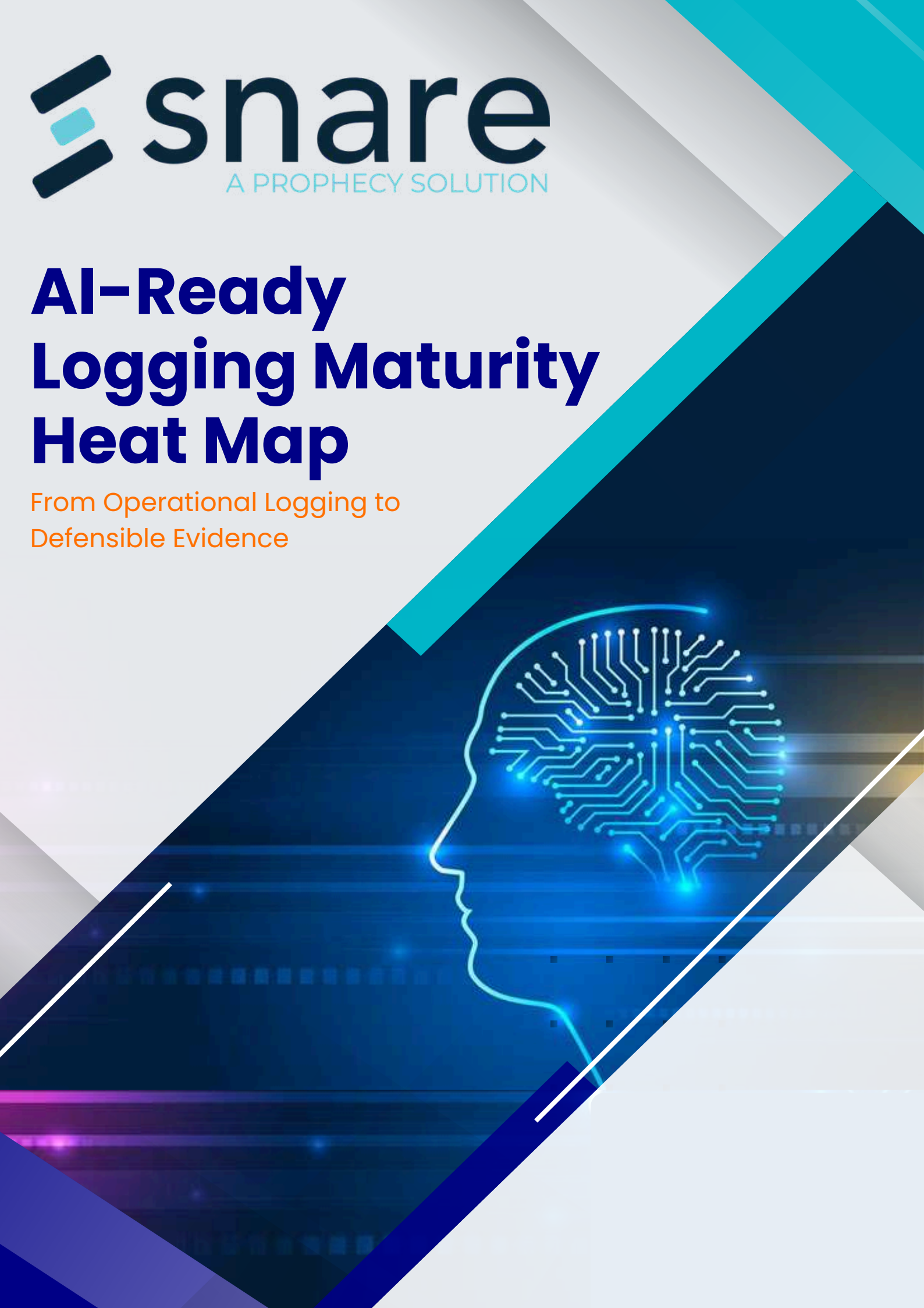
AI-Ready Logging Maturity Heat Map

From Operational Logging to Defensible Evidence



AI-Ready Logging Maturity Heat Map

Score each category from 1 to 4 based on your current state.

Level	Maturity Stage	Description
1	Reactive	Logging is inconsistent, tool-driven, and minimally governed
2	Developing	Logging exists across key systems but lacks integrity validation and monitoring
3	Controlled	Logging is structured, monitored, and aligned to governance frameworks
4	Defensible	Logging is tamper-resistant, cost-optimised, replay-capable, and board-reported

How to Score

For each row:

1. Select the maturity level that most closely matches your current state.
2. Highlight that cell.
3. Review patterns.

AI-Ready Logging Maturity Heat Map

Capability Area	Level 1 – Reactive	Level 2 – Developing	Level 3 – Controlled	Level 4 – Defensible
Log Source Coverage	Critical systems missing	Core systems logged inconsistently	All critical systems logged	Full coverage incl. cloud, privileged & high-risk assets
Integrity & Tamper Resistance	Admins can alter/delete logs	Limited separation of duties	Protected storage controls	Tamper-resistant architecture with integrity validation
Retention Strategy	Driven by SIEM limits	Extended retention for select systems	Policy-aligned retention	Independent forensic retention tier
Missing Log Detection	No silent-source alerts	Manual detection only	Automated source monitoring	Baseline modelling & proactive anomaly alerts
Cost Optimisation	Ingestion cost unmanaged	Reactive cost reductions	Collection-layer filtering	Structured cost governance with quarterly review
Replay & Investigation Capability	Dependent on analytics tool	Partial historical reconstruction	Raw event access available	Full replay, independent of analytics vendor
Governance & Ownership	Informal accountability	Documented but not reviewed	Assigned ownership & review cadence	Board-visible logging posture reporting

Interpreting Results

Mostly Level

You are operationally logging, but not defensibly logging.
Risk of cost-driven blind spots and investigation gaps is high.

Mostly Level

Core controls are in place, but silent failures and retention exposure may exist.

Mostly Level

You have strong governance alignment and forensic capability.
Focus next on cost optimisation and continuous improvement.

Board-Level Indicator

If any of the following score Level 1:

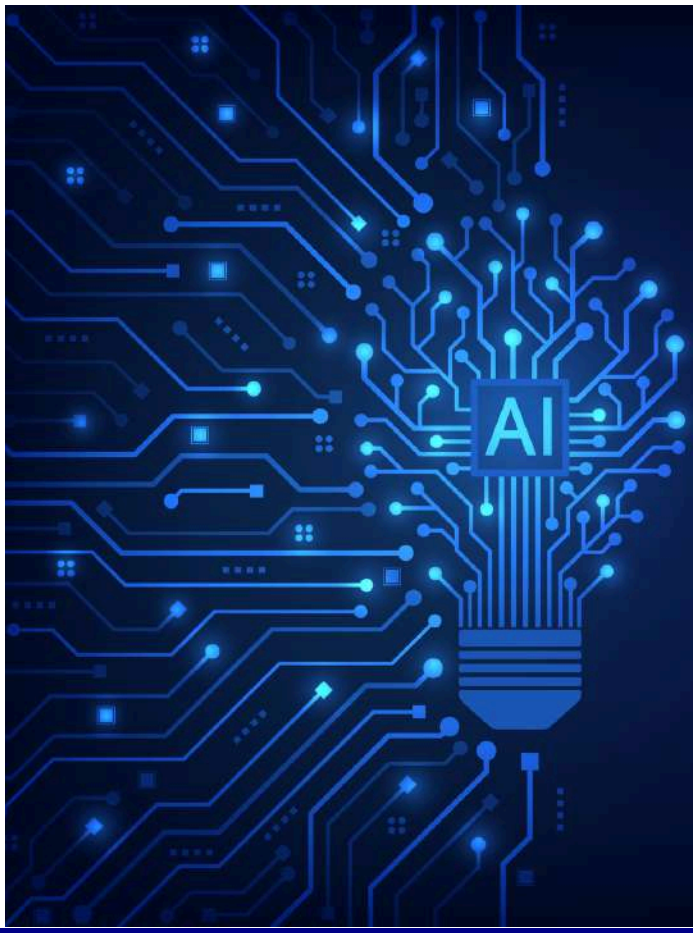
- Integrity & Tamper Resistance
- Missing Log Detection
- Replay Capability

These should be escalated as risk exposures in your next governance review.

Next Steps

Read : The Log Strategy Reset
A Practical Guide for CISOs & MSSPs Entering 2026.

Book : *A Log Strategy Session with a Snare Specialist*



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