

The Five Pillars of Autonomous SOC Maturity

Al is transforming the security operations center (SOC), and the journey to autonomy starts with a clear framework. We partnered with TAG Cyber to outline an evidence-based roadmap for the journey from automated to AI SOC.



- **Autonomous Analysts with** Human-in-the-Loop Oversight
- Al and automation handle Tier-1 tasks, like triaging alerts and initial investigations.
- Senior analysts remain crucial for complex judgment and business continuity.
- Continuous Investigation & **Adaptive Detection**
- Al supports proactive defense, tracking evolving threats in real-time.

Telemetry-driven monitoring detects subtle anomalies.

- Al-Guided Response & Playbook **Optimization** Playbooks dynamically adapt to incidents.
- Al accelerates containment while human validation ensures accuracy.

Reporting

- Automates evidence collection and reporting aligned to NIST, ISO, and other frameworks. Dashboards provide real-time oversight for leadership and auditors.

Integrated Compliance & Risk

Architecture Orchestration unifies SIEM, EDR, XDR, and other tools.

Centralized operations reduce tool sprawl and improve ROI.

Platform-Orchestrated SOC

Practical Tips for SOC Leaders



reporting tasks.

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Invest in training to balance human

judgment with automation.

Download the Guidebook

Start by automating Tier-1 and



Partner with vendors and advisors to accelerate adoption.

Re-engineer playbooks for Al-

guided workflows.

Autonomy in Action: The Balance of Al and Human **Expertise**

Even in an Al SOC, human expertise remains essential. Rather than replacing humans and their intellect and judgment, Al is transforming how SOC teams operate. Al is shifting SOC

tasks as we know them today to make way for a new class of cybersecurity functions, such as AI prompt engineers, AI governance specialists, AI threat analysts, and more. For more indepth guidance on how to transform your SOC to a more autonomous state, download the Guidebook for Autonomous SOC Enablement.