AUTOMATE DETECTION AND RESPONSE TO NETWORK THREATS

SUMMARY

Despite billions of dollars invested in cybersecurity, companies continue to be compromised. Current practices focus on defenses and periodic tests, neglecting that the adversary may already be inside the network. Early detection is critical.

Lumu and Akamai have partnered to deliver an industry-leading security solution to address the most pervasive network threats. The integration between Lumu Defender and Akamai Secure Internet Access (SIA) delivers continuous, automated attack detection and response across the entire network.

HOW IT WORKS

Lumu and Akamai SIA enable efficient cybersecurity operations through an integrated solution for network threat detection and response. Lumu continuously collects network metadata from various sources, including Akamai SIA. All of that metadata is collected and fed into Lumu's Illumination Process where data is analyzed for malicious association.

If an attack is discovered, Lumu measures the compromise level, does a complete analysis of the incident, and delivers its threat intelligence to Akamai SIA to automatically block connections with the confirmed IoC. Threat data is also automatically applied to policies within Akamai SIA. This continuous, automated process protects organizations from some of the most pervasive threats like ransomware precursors, phishing, C2C, DGA, malware, cryptomining, and more.

F (S): Security architecture
F (c): Compromise level
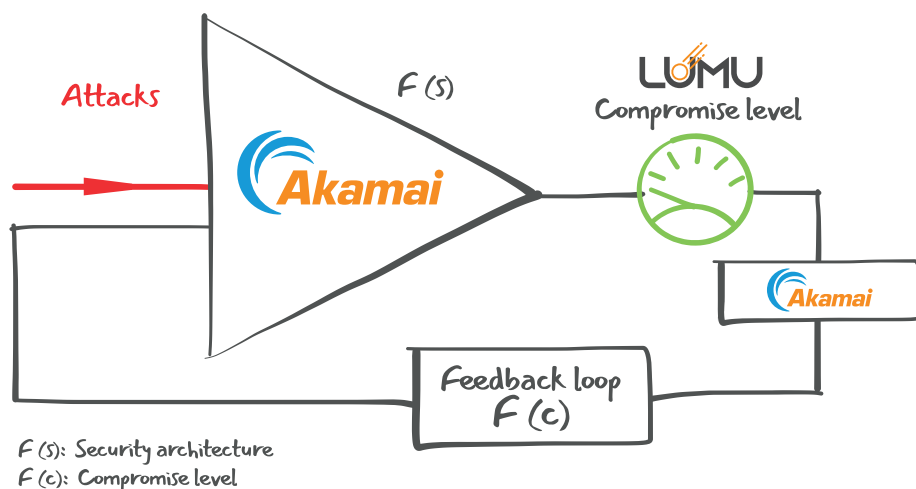
This diagram illustrates the continuous process of attacks being managed by Akamai SIA and Lumu. Metadata collected from Akamai SIA is fed to Lumu for analysis. Lumu identifies and reports attacks sending threat data back to Akamai SIA to automatically update policies and block attacks in real-time.

BENEFITS

- Instant attack response, closing the attacker's window of opportunity.
- The autonomous solution saves time, removing the burden of manual tasks.
- Incidents all contain rich context with details surrounding the attack type, assets impacted, and visibility to identify the impact.

USE CASES

- **Orchestration and Automation:**

  Through one-click integrations, Lumu is easily able to leverage Akamai's capabilities for swift action against active threats.

- **Securing the Hybrid Workforce:**

  Secure remote and hybrid users by offering protection to the entire Akamai & Lumu user base.

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