Underscore Cybersecurity

Detection of Unsanctioned/Rogue Access Points

An Attack Surface Management (ASM) solution is crucial for maintaining the security integrity of a network by identifying and mitigating potential threats, including unsanctioned or rogue access points (APs). Rogue Access-Points masquerade an organization's wireless network-names phishing unsuspecting users or devices to connect to them resulting in unrestricted access for malicious actors – often without the security teams even realizing the breach. This is a dangerous scenario.

The ASM solution continuously scans the wireless spectrum for any new or unauthorized APs. This is achieved by a combination of heuristics to automatically building knowledge of authorized assets coupled with some smart rules to detect the presence of rogue or unsanctioned access-points.

Upon detecting a rogue AP, the ASM solution generates real-time alerts to notify the security team. These alerts contain detailed information about the unauthorized AP, such as its MAC address, SSID, signal strength, and estimated physical location.

The ASM solution also monitors user activities and connection attempts. If a legitimate user device attempts to connect to a rogue AP, the solution immediately flags this activity and alerts the team, indicating potential exposure to a security threat.

Response and Mitigation

The security team isolates the rogue AP from the network to prevent further unauthorized access.

The team also conducts a thorough investigation to locate and physically remove the rogue AP, determine its origin, and assess any potential data breaches or security impacts.

Network access policies are reviewed and updated to prevent future incidents. This includes educating employees on the dangers of connecting to unauthorized devices and reinforcing security protocols.

An ASM solution is essential for maintaining robust network security by detecting and mitigating threats posed by rogue APs.

Underscore Adversity Discovery Assessment (ADA) offers structured insight in the realm of risk management, providing clarity amidst complexity.

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About Underscore:
Unlocking Cyber Resilience in the digital realm. Our robust platform combines proactive prediction, powerful forecasting, prioritizing risk, providing unparalleled real-time insights to keep you ahead of threats and assuring business continuity.

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