SEPIO

Heavily invested in cybersecurity visibility solutions?

Choosing the Physical Layer 1 as a data source will provide full visibility where traffic solutions fail.

5 IMPORTANT FACTS WHY PHYSICAL LAYER VISIBILITY IS PARAMOUNT

OSI MODEL GAPS

Application
Presentation
Session
Transport
Network
Data link
Physical

WHAT YOU SEE IS NOT WHAT YOU GET

Traffic based visibility solutions (NAC, IDS, IoT, security scanners) have blind spots. Unmanaged switches, passive taps, and out-of-band devices all fly under the traffic radar. Spoofed devices can mimic approved devices fooling traffic-based solutions. If you can't see everything you can't protect everything.

YOUR LACK OF VISIBILITY IS AN ATTACKERS GAIN

Cybercrime syndicates and state sponsored activities are fully aware of Fact #1 and focus their efforts in exploiting these blind spots (either through passive implants or spoofing legitimate devices).

If it sounds like a cat, feels like a cat and meows like a cat, it could still be a Raspberry Pi spoofing a legitimate cat.

SMART DEVICES MAKE SMART ATTACK TOOLS

IoT devices with their use of MAB (MAC Authentication Bypass) are your "soft underbelly", implementing 802.1x and then setting up exceptions for non-802.1x compliant devices (i.e., IP cameras, printers etc.) punches a huge hole in your security defenses, expect attackers to find these holes soon enough.

LESS IS NOT ALWAYS MORE

Adding Physical Layer 1 visibility to your existing security stack provides full visibility of all network/peripheral devices. HAC-1 can easily integrate with you NAC, EPS, SIEM, SOAR putting them to better use as well as fit into your current security operational workflow.

WHAT WE SEE OTHERS DON'T

Sepio's HAC-1 Zero Trust Hardware Access solution strengthens your cybersecurity posture.

HAC-1 provides required visibility down to the Physical Layer going deeper and lower where other traffic-based visibility solutions can't. HAC-1 doesn't rely on what the device traffic is saying, we VALIDATE using Physical Layer 1 information. Trust and Verify!

Looking for different ways to tackle cybersecurity challenges?

Use Physical Layer 1 data to reclaim your asset visibility & Control

Visit us at www.sepiocyber.com to learn more about the importance of Physical layer visibility.

Sepio delivers a hardware access control (HAC) platform that reduces the risk of unapproved and rogue devices by providing complete visibility, control, and mitigation of all hardware assets. Sepio's hardware fingerprinting, augmented by machine learning, discovers all managed, unmanaged and hidden devices that are invisible to all other security tools. Sepio's solution enhances zero trust, insider threat, BYOD, IT, OT and IoT security programs.