Executive Action Plan for Cybersecurity

EXECUTIVE SUMMARY

- **Perimeter-based network defenses are no longer sufficient.**
- **Attackers continue to devise countermeasures to bypass traditional physical, IT, and network security systems.**
- **Security postures which were based solely on identifiable or "known" threat vectors are being surpassed by unknown means and methods of attack.**
- **Defense in depth must therefore evolve from static to dynamic approaches.**
- **This becomes ever more apparent when one sees >300k of new malware being developed each day, along with the underlying economics which are fueling this growth.**
- **Bottom line: more enemies than you can count outmatch your organization. The key is to be in a position to outwit your adversaries. You need:**
    - Detection of Attacker Activity
    - Detection of Advanced Malware
    - Contextual Threat Analysis
    - Threat Impact Assessment
- **Without a comprehensive approach to detect and respond to attacks and attack methods you are not arrayed to defend against, the impacts your organization may face from targeted attacks and advanced threats include:**
    - Unexpected Strategic Impacts
    - Unexpected Risks Impacts
    - Unexpected Costs
    - Unexpected Impacts on Careers and Reputations

TWELVE STEPS TO MITIGATE THE RISKS OF TARGETED ATTACKS

1. Conduct Pen test of all third parties.
2. Use two-factor authentication.
3. Utilize a host-based intrusion prevention system.
4. Deploy file integrity monitoring.
5. Implement virtual shielding for zero-day exploits.
6. Deploy both Mobile Device Management and Mobile Application Reputation software.
7. Deploy Sandbox Cloud Apps.
8. Implement whitelisting.
9. Manage the crypto keys for your cloud data.
10. Web Application Security (OWASP).
11. Deploy context-aware threat intelligence.
12. Utilize a Breach Detection System.

NEXT STEPS

Industry White Papers to Learn More About the Rationale For Investing in Targeted Attack Detection

- Forrester Thought Leadership Paper: "21st Century Threats Demand 21st Century Security Approaches: Forward-thinking Security Pros will Guide their Organization to a Secure Future"
- ESG White Paper: "What Corporate Boards Should Know and Do About Targeted Attacks and Advanced Threats"
- The Institute of Internal Auditors Research Foundation Report: "Cybersecurity - What the Board of Directors Needs to Ask"

Learn why your peers are selecting Trend Micro™ Deep Discovery™ to address the targeted attack problem

- Mazda Motor Logistics
- Plasan
- Rush Medical
- University of New Brunswick

Learn more about Trend Micro Deep Discovery

- NSS Labs Breach Detection Test Results
- Detect and Respond to Targeted Attacks Video
- Deep Discovery Inspector 360 Whitepaper

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