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10 Endpoint Security Problems Solved by the Cloud

SANS surveys and testimonials from IT and security professionals indicate that endpoint security is a challenge. There is too much complexity and cost, defenses aren't keeping up, and security staff is stretched thin. This infographic explores how cloud can help address these issues.

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10 Endpoint Security Problems Solved by the Cloud

Based on SANS surveys and testimonials from IT and security professionals, endpoint security is a challenge. There is too much complexity and cost, defenses aren't keeping up, and security staff is stretched thin. The cloud can help!

1. Keeping up to date

"[With traditional AV,] configuration settings were not intuitive, and we had updates fail and break a lot of things."

— CHRIS ST. AMAND, NETWORK SECURITY ENGINEER, PEOPLESBANK

Cloud simplifies and automates updates.

2. Integrating security products

49% describe their endpoint detection and response (EDR) systems as not integrated or only partly integrated.¹

4% consider their security analytics to be fully integrated.²

Cloud APIs and pre-built integrations unify products.

3. Managing multiple agents

"IT and security personnel are tasked with managing and maintaining multiple endpoint agents that often have fragmented security systems."

E-SECURITY PLANET, MARCH 2017³

Cloud platforms have a single consolidated agent.

4. Securing remote workers

46% of organizations have operations in more than one country. Having remote workers can lead to inconsistent and out-of-date setups.⁴

Cloud treats every endpoint the same.

5. Slowing down endpoints

"[We were] trying to find a really comprehensive security solution without impacting the behavior of our endpoints and the usability of them. A lot of them tend to take up a lot of system resources."

—TREVOR ALBRECHT, TECHNICAL OPERATIONS ENGINEER, DRAFT KINGS

Cloud processing keeps the agent lightweight.

6. Preventing new attacks

60% of security and IT personnel say their top challenge is finding new unknown threats for which their current security doesn't have signatures.⁵

Cloud leverages big data and sophisticated analytics to predict attacks.

7. Identifying problems

40% say they can improve visibility into network and endpoint behavior for quicker detection to prevent threats that have taken place on their endpoints.⁶

60% say determining the scope of a threat across multiple endpoints is difficult.⁷

Cloud analyzes unfiltered endpoint data to give you the visibility you need.

8. Responding quickly to threats

55% say it takes them three or more hours per endpoint to remediate, with most taking more than 24 hours.⁸

Cloud enables real-time investigation and remediation.

9. Getting the help you need

49% say lack of staffing and a skills shortage are top inhibitors to effective response.⁹

Cloud facilitates collaboration and education.

10. Managing infrastructure

"Between our traditional AV and all the other security tools my team has to manage, all the on-prem infrastructure becomes a nightmare—to maintain upgrades, to make sure you have enough storage and compute power."

—RYAN MANNI, SECURITY OPERATIONS MANAGER, HOLOGIC

Cloud has no infrastructure to manage.

Turning to the Cloud

87%

of organizations report some of their SOC functions are handled in the cloud or plan to move them there in the next 24 months.¹⁰

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¹ "The Show Must Go On: The 2017 Incident Response Survey," June 2017, p. 16, Table 3.

² "SANS 2016 Security Analytics Survey," December 2016, p. 1.

³ "Endpoint Security: Preventing Threats on Devices Connected to Your Network"

⁴ "Future SOC: SANS 2017 Security Operations Center Survey," May 2017, unpublished analysis

⁵ "Exploits at the Endpoint: SANS 2016 Threat Landscape Survey," September 2016, p. 14, Figure 10.

⁶ "2017 Threat Landscape Survey: Users on the Front Line," August 2017, p. 9, Figure 13.

⁷ "Next-Gen Endpoint Risks and Protections: A SANS Survey," March 2017, p. 14, Figure 12.

⁸ "Can We Say Next-Gen Yet?: State of Endpoint Security," p. 13, Figure 9.

⁹ "The Show Must Go On: The 2017 Incident Response Survey," p. 23, Table 4.

¹⁰ "Future SOC: SANS 2017 Security Operations Center Survey," p. 4, Figure 3.



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