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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.<sup>1</sup>

**4%** consider their security analytics to be fully integrated.<sup>2</sup>

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 2017<sup>3</sup>

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 Having remote workers can lead to inconsistent and out-of-date setups.<sup>4</sup>

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.<sup>5</sup>

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.<sup>6</sup>

**60%** say determining the scope of a threat across multiple endpoints is difficult.<sup>7</sup>

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.<sup>8</sup>

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.<sup>9</sup>

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.<sup>10</sup>

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

<sup>2</sup> "SANS 2016 Security Analytics Survey," December 2016, p. 1.

<sup>3</sup> "Endpoint Security: Preventing Threats on Devices Connected to Your Network"

<sup>4</sup> "Future SOC: SANS 2017 Security Operations Center Survey," May 2017, unpublished analysis

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

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

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

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

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

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



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