

Enabling SOAR and Automated Incident Response Using Comprehensive Ecosystem Integrations

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Cybercrime Growing in Complexity and Scale



- \$2.7 billion monetary losses in 2018 per FBI¹
- Breach victims often hire expensive forensic firms, law firms

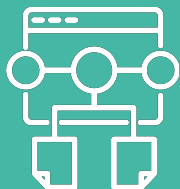


- Notable public breaches have resulted in millions of records stolen
- Breach victim's future business jeopardized

1. FBI Internet Crime Report 2018



But Security Teams Cannot Respond to Incidents Fast Enough



- 196 days on average between infection and detection
- Not all organizations have necessary tools/automation to correlate data from multiple systems

Customer A

Had a lot of data to analyze and decided to outsource SOC operations because they couldn't analyze it themselves



Customer B

Didn't know all the places in the network where they were using threat intel and failed to operationalize on it



And Throwing More People at the Problem is Not Possible

92%

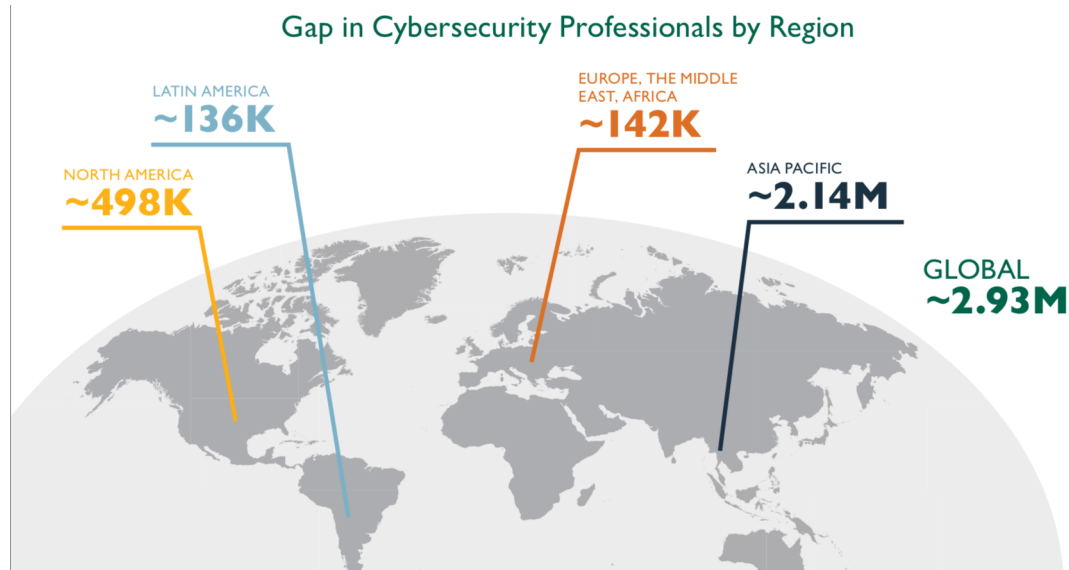
of companies get more than 500 alerts per day; a single cyber analyst can handle only 10

4%

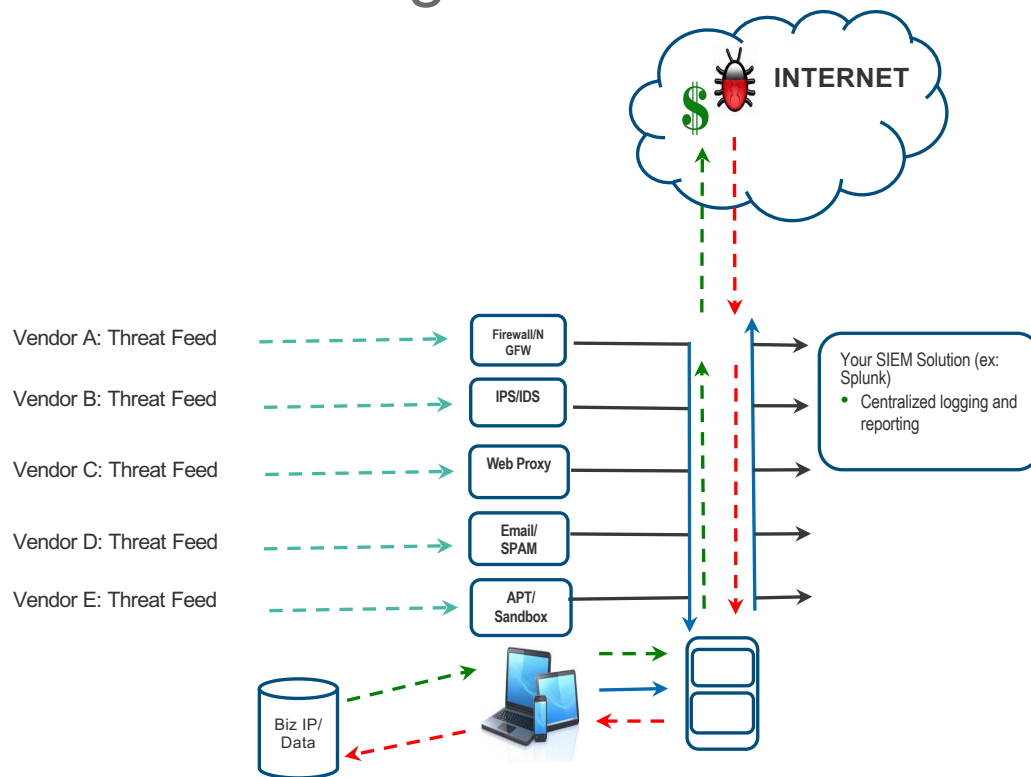
of alerts, only, are investigated; not enough humans to keep organizations safe

30+

security tools in operation, with staff and expertise to manage 12



Bolted on Security Architecture Leads to Siloed and Ineffective Threat Intelligence

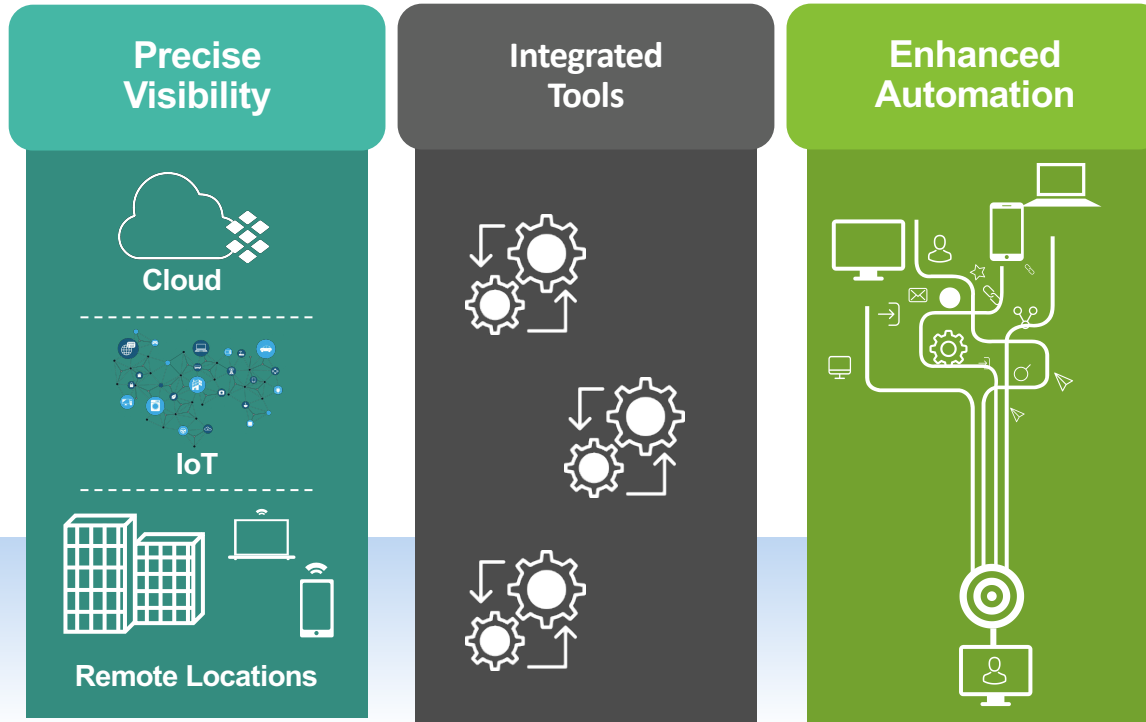


The Bottomline

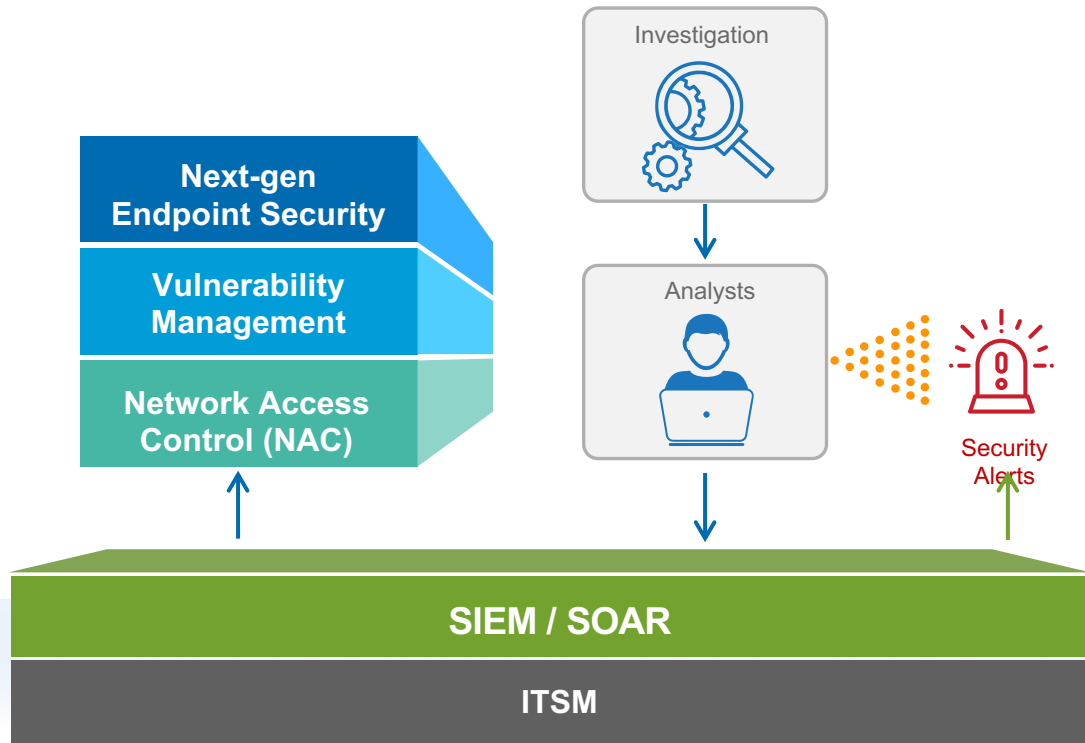
- Threats growing exponentially
- Impossible to match skills of a well trained, distributed, global malware developer
- Malware operators work round the clock and are relentless
- Encryption makes it difficult to separate malicious from normal traffic
- Simple manual review of logs not enough to recognize patterns over time



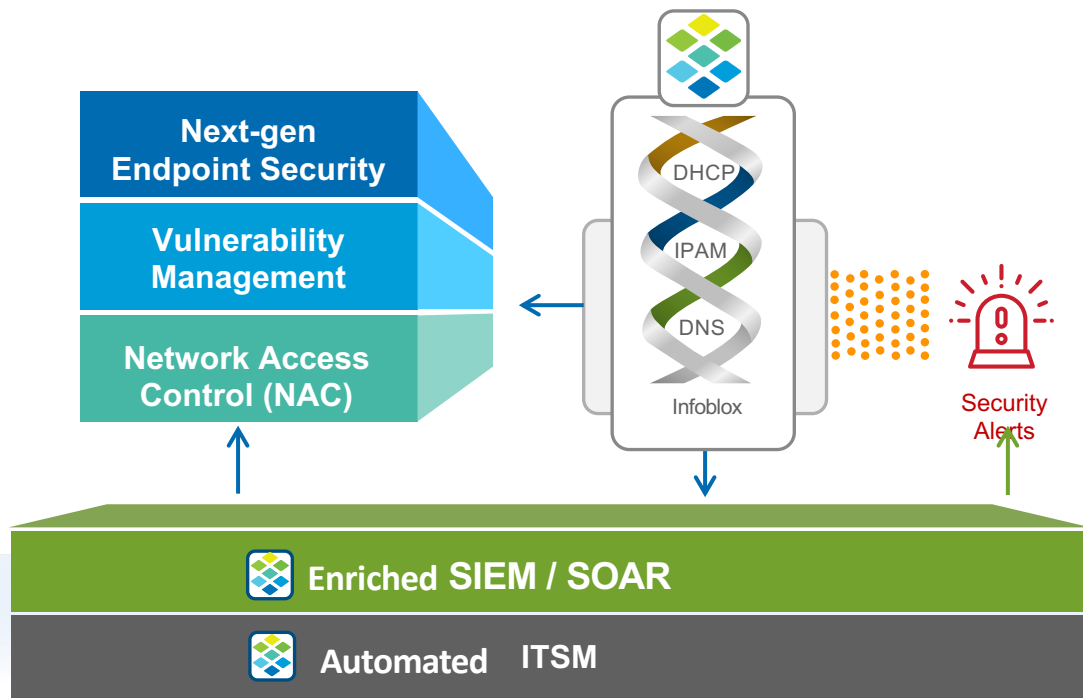
Key Tenets of Efficient Security Operations



Improve Productivity and Enhance Automation



Improve Productivity and Enhance Automation



DNS

- Malicious activity inside the security perimeter
- Includes BYOD and IoT device
- Profile device & user activity

DHCP

Device Audit Trail and Fingerprinting

- Device info, MAC, lease history

IPAM

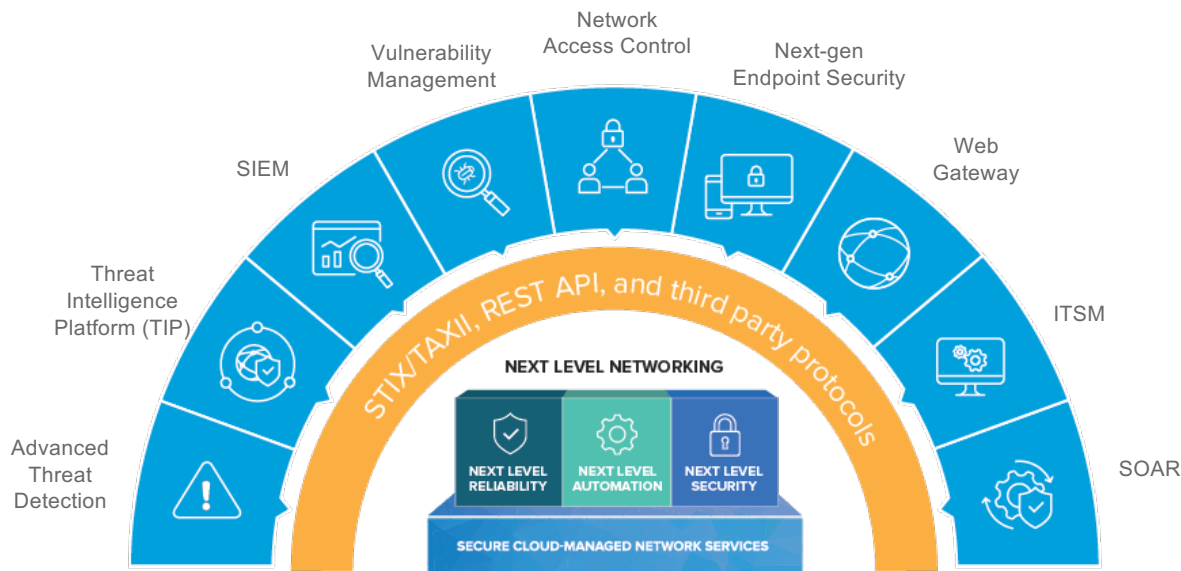
Application and Business Context

- "Metadata" via Extended Attributes: Owner, app, security level, location, ticket number
- Context for accurate risk assessment and event prioritization



Combined DDI, Threat Intel and Context to Power SOAR Platforms

Enriched data and integrations that can be relied upon to build automation



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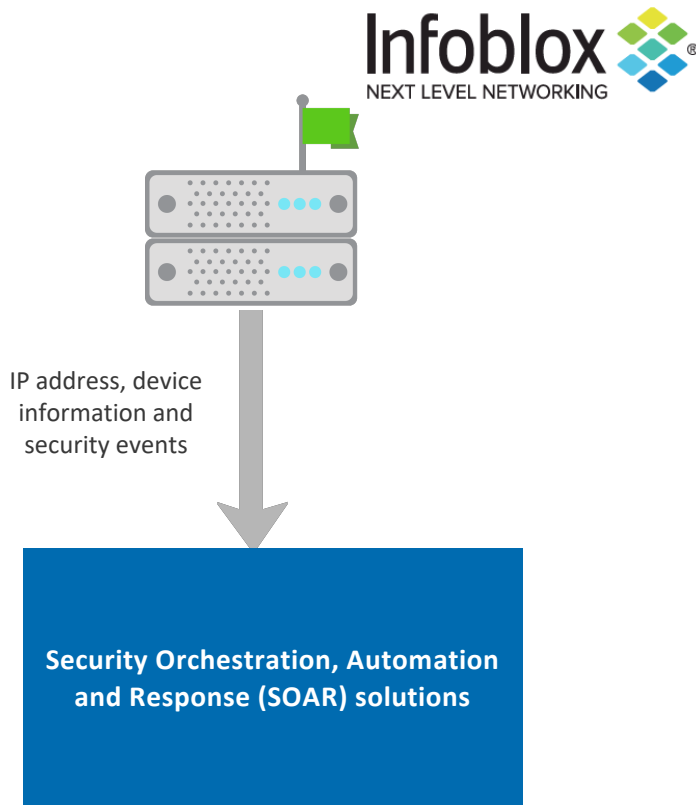
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Prioritize 100s of alerts | Automate incident response | Reduce cost of human touch/error



SOAR Integration



- SOAR solution receives information on IP address, network devices and malicious events from Infoblox
- SOAR uses that information to block/unblock/check domain, check information about IP/host/network/domain
- IPAM information enrichment from events/tools

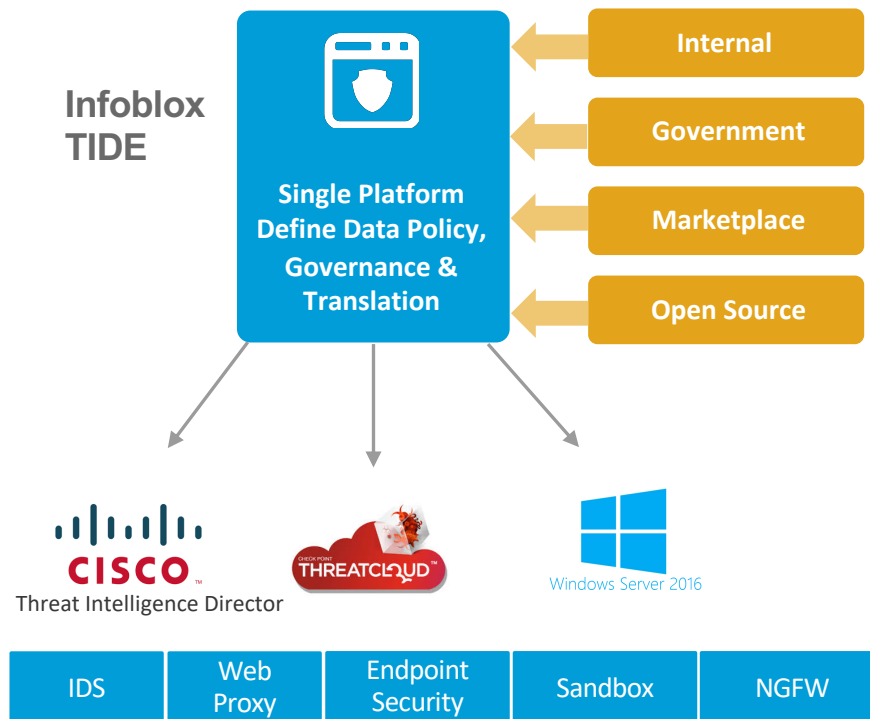
Benefits:

- Integrate disparate security tools and provide vendor-neutral threat intelligence for all devices
- Faster response with full set of threat intelligence APIs
- Enhance and improve incident response with better threat intelligence
- Improve security processes by integrating with other systems via SOAR



Security Policy Unification

- 3rd party platform receives malicious host names, IP addresses and URLs from TIDE
- 3rd party platform can now block/monitor more threats
- Improves effectiveness and delivers better ROI for your security stack



Customer Story: Major Insurance Company

Customer Use Case:

- Customer says: “I’m not interested in your DNS firewall. I have a Palo Alto Network Firewall, it can do all the things Infoblox can.”
- But they did have security operations challenges
 - Inefficient and ineffective vulnerability scanning for compliance; hours of wasted time and resources
 - Sandbox solution does not scale for mitigation; expensive and can’t block in remote offices
 - Query logging (for feeding into their SIEM) on Microsoft DNS can’t be enabled

Solution: ActiveTrust with cybersecurity ecosystem

Outcomes:

- Infoblox tells vulnerability scanner when a new device is on the network, making it more effective
- Enable sandbox to add domains to RPZ – block across entire DNS infrastructure
- Enables DNS Query data to be sent to their SIEM



Customer Story: EMEA Bank

Customer Use Case:

- Looking to maximize threat intelligence investment
- Existing threat intelligence was tied to appliances they had bought

Solution: Infoblox TIDE, ActiveTrust, Cybersecurity ecosystem

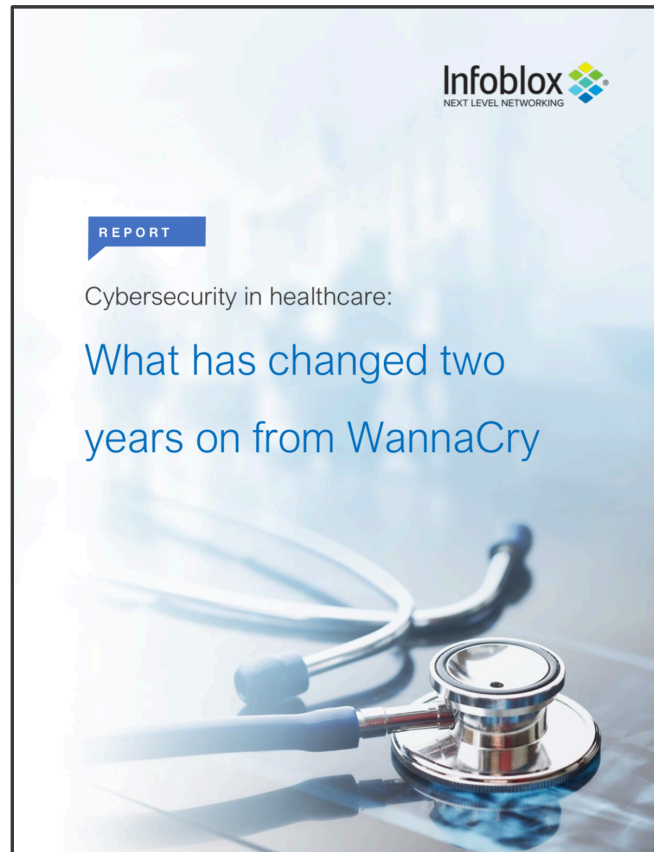
Outcomes:

- Infoblox threat intelligence easily applied to existing Palo Alto Networks, Cisco and ArcSight platforms
- Improved ROI of existing security platforms



2nd Edition: Cybersecurity in Healthcare

- Infoblox released the second edition of the state of **cybersecurity in healthcare** report
- Includes the findings from a survey of **600+ healthcare IT professionals** in the UK, US, Germany and Benelux
- The study examines how organizations have adjusted their security practices in the wake of attacks such as Wanna Cry.
- The biggest challenges identified were **ransomware, connected devices/IoT**, and unpatched or **unsupported operating systems**.



THANK YOU!

