



# CIS Services

**Jeff Sparks**

Sr. Account Executive – East

12/27/23

Proprietary



# CIS Services

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# Who We Are



# Center for Internet Security

Nonprofit leading the global community to secure our connected world



CIS is home to the MS-ISAC and the EI-ISAC



The MS-ISAC is a trusted resource for cyber threat prevention, protection, response, and recovery for U.S. State, Local, Tribal, and Territorial (SLTT) government entities.



The EI-ISAC supports the rapidly changing cybersecurity needs of U.S. SLTT election offices.

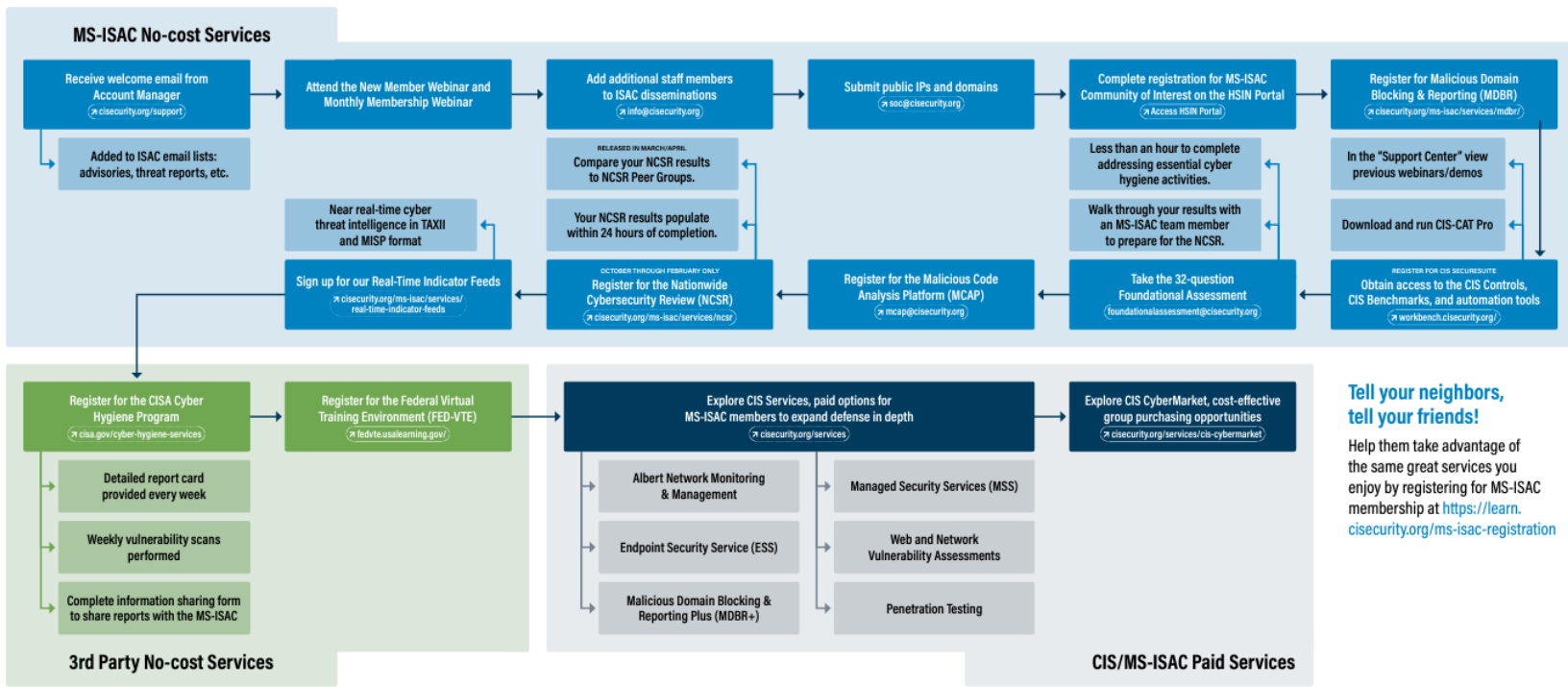


CISA focuses on the cybersecurity of all critical infrastructure within the United States (including election offices).



# CIS “Placemat”

## Flowchart CIS-MS-ISAC → CISA → to CIS Services





# **CIS 24x7x365 Security Operations Center (SOC)**



# CIS Security Operations Center (SOC)

24x7x365 Support



## Support

SLTT Security Experts  
+  
On Call All Day, Every Day  
+  
Full-time Cyber Defense Partner



## Analysis & Monitoring

Round-the-clock Monitoring  
+  
Leverage Largest SLTT Cyber Threat Database



## Reporting

Industry-leading Response Times  
+  
Eliminate ~75% of False Positives  
+  
Saves Security Teams Time, Effort



*“The MS-ISAC is a critical partner to our cybersecurity program, with the SOC serving as an extension of our internal team to provide the additional eyes and ears to aid in detection and response efforts...”*  
– a state CISO







# Cyber Incident Response Team (CIRT)



# Cyber Incident Response Team (CIRT)

Supporting SLTTs Through Incidents



**Incident Response**



**Malware Analysis**



**Log Analysis**

Expert Support When  
Organizations Need It Most

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To report an incident or request  
assistance:

Phone: 1-866-787-4722

Email: [soc@cisecurity.org](mailto:soc@cisecurity.org)



# What is Cyber Incident Response?

## Elements of Cyber Incident Response

### Elements of Cyber Incident Response

Log Review

Device Triage

Monitoring

Mitigation

### Goals of Cyber Incident Response

Scope of Impact

Incident Timeline

Root Cause

Remediation Recommendations



**Center for  
Internet Security®**

# **Albert Network Monitoring and Management**



# Albert Network Monitoring and Management

## Features

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High  
Performance  
IDS Engine



Efficient  
Storage/  
Analysis of  
Historical Data  
NetFlow



Robust Threat  
Intelligence  
~25k+  
signatures on  
average



24x7x365 SOC  
Monitoring, No-  
Cost Incident  
Response



Industry-leading  
Response  
Times

# Albert Network Monitoring and Management

## Business Drivers

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### Rapid Alert Escalation

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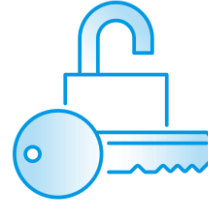
Under  
**5 minutes**  
from alert to  
notification



### Updated Signature Sets

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~25k+ signatures  
updated daily  
to detect  
malicious activity



### Cost Effective, Turnkey

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Low-cost  
IDS solution with  
round-the-clock  
monitoring,  
management



### Advanced Threat Monitoring

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Monitor for  
traditional,  
advanced  
network threats



# Monthly Activity Report (MAR)

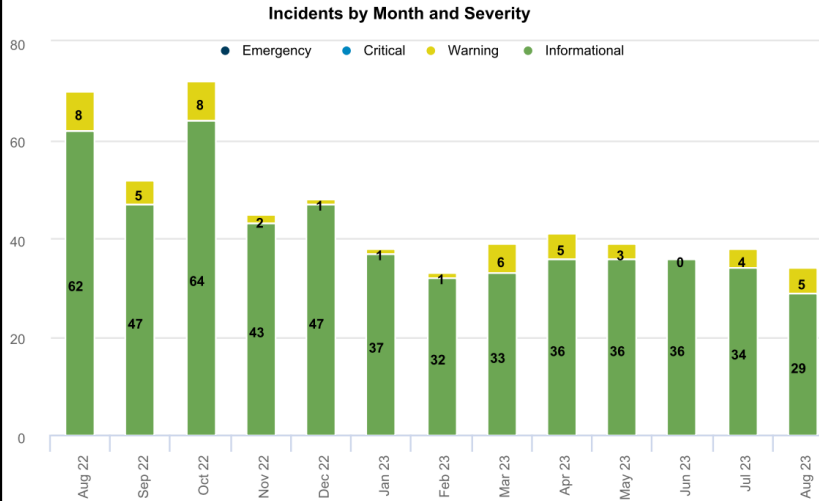
Summary of Logged Activity



- **Nationwide Summary**
- **Agency Executive Summary**
- **Albert Event Summary**
  - Actionable events by severity
  - Ticket information
  - Generated events by severity YTD
  - Generated events by signature classification
  - Actionable events by signature classification
- **Albert Traffic Graphs**

# MAR Reporting Sample

## [City of Toad Suck] Executive Summary



SEVERITY	TOTAL INCIDENTS
Emergency	0
Critical	0
Warning	5
Informational	29
<b>Total</b>	<b>34</b>

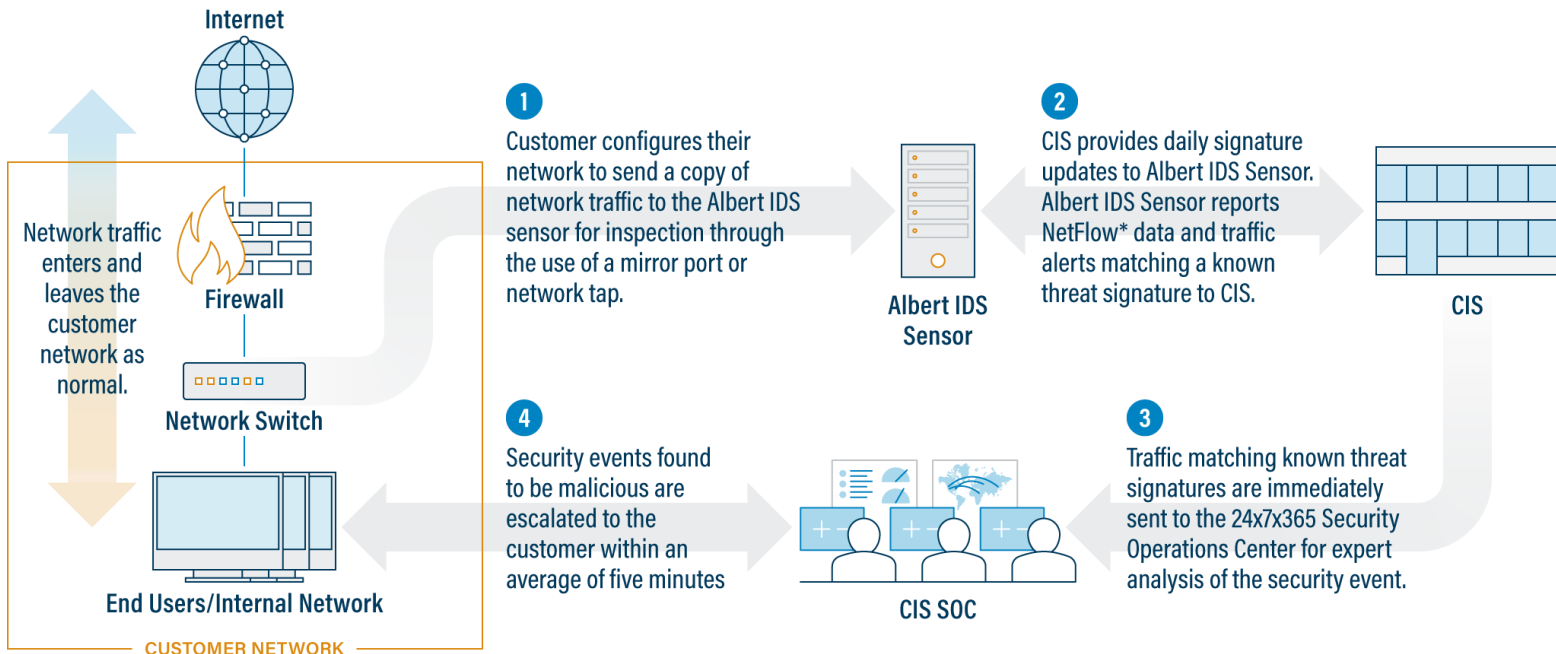
INCIDENT CATEGORY	TOTAL INCIDENTS
Information Disclosure Attempt	2
Trojan Activity	2
Unusual Network Activity	5
Policy Violation	25
<b>Total</b>	<b>34</b>





# Albert in Action

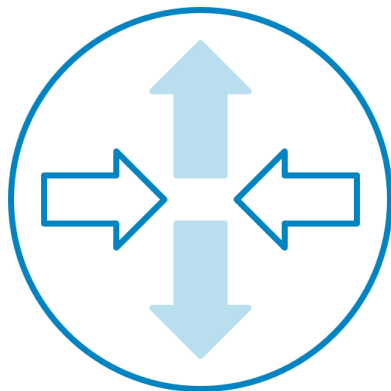
## Analyst Review



\*NetFlow is a network protocol developed by Cisco for monitoring the flow and volume as well as collecting high-level metadata of IP traffic information as it passes in and out of a network interface.

# Albert NetFlow

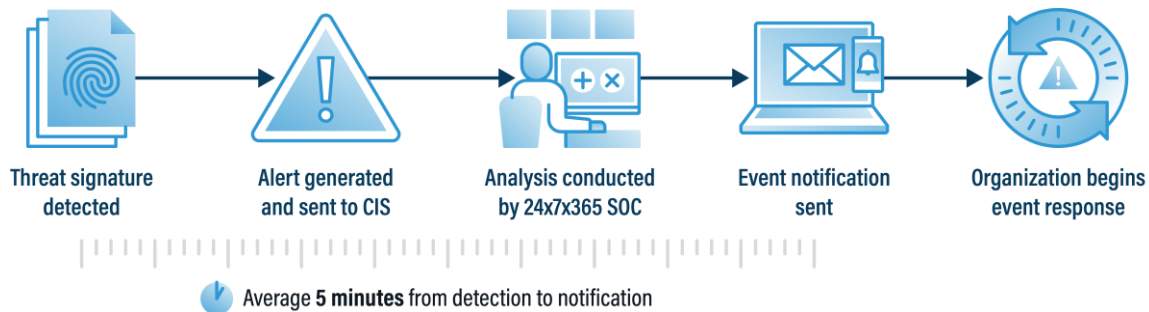
## Unique Benefits of NetFlow



### NetFlow

Metadata about network traffic

- NetFlow logging allows for retroactive detection of newly discovered threats
- Helps tell the story of when a network was first compromised
- NetFlow data retained for six months

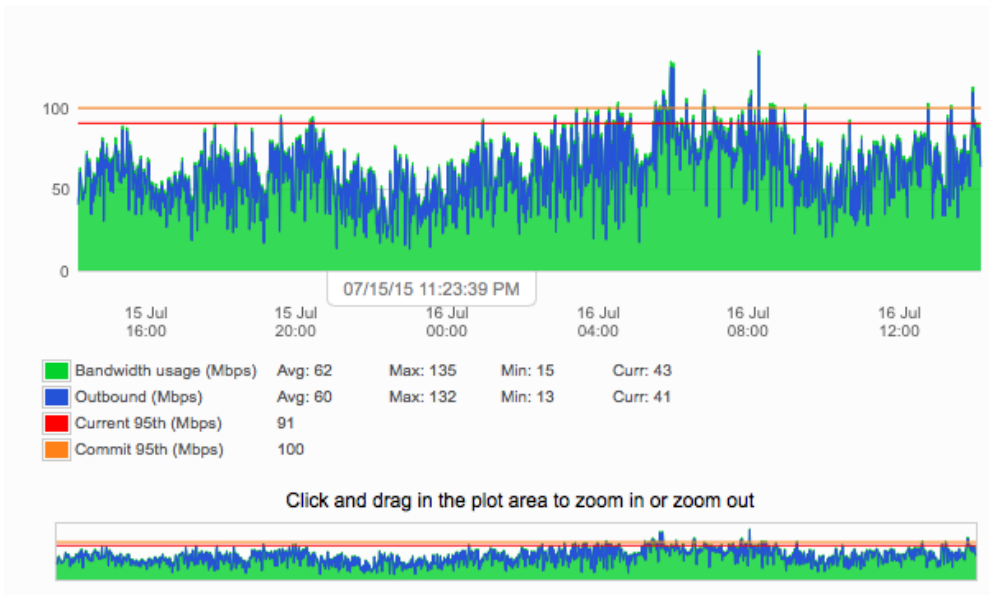




# Albert Sizing

## Daily Average Utilization

- **3 Server sizes based on Network Utilization**
  - Small = 0-100MB
  - Medium = 100MB-1GB
  - Large = 1GB-5GB
  - Extra Large = Over 5GB





# Albert Pricing

Average Utilization	Turnkey (CIS Hardware)		Customer-Provided Hardware		
	Annual	Per Month	Annual	Per Month	Per Day
<b>0MB-100 MB - Small</b>	\$13,600	\$1,130	\$11,200	\$930	<\$31
<b>101MB-1.0GB - Medium</b>	\$16,800	\$1,400	\$14,400	\$1,200	<\$40
<b>1.01GB-5.0GB - Large</b>	\$30,000	\$2,500	\$26,400	\$2,200	<\$73
<b>5.01GB+ - Extra Large</b>	Custom				

\*One-time initialization fee of \$950 applies per sensor

\*\*Size is based on your Daily Average Network Utilization

Proprietary



# Albert: Related Webpages & Files

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- [Albert Landing Page](#)
- [Albert Terms and Conditions](#)
- [Case Study: Identifying Suspicious Election Network Activity with Albert](#)
- [Blog: Albert, A Smart Solution for Network Monitoring](#)
- [Presentation: Albert Service Introduction and Overview](#)

- [All CIS Albert Related Webpages](#)

## Internal Use Only Resources:

- [MarCom: Albert Market Intelligence Repository](#)
- [CIS Server: Albert Resources](#)
- [CIS Server: Gartner Research Network Detection](#)





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# **CIS Endpoint Security Services**

## **ESS**



# CIS Endpoint Security Services (ESS)

## Features



**Device-Level Managed Detection & Response**



**Next-Generation Antivirus (NGAV)**



**Asset & Software Inventory, USB Device Monitoring**



**Host-Based Firewall Management**



**24x7x365 SOC Monitoring, No-Cost Incident Response**





# CIS Endpoint Security Services (ESS)

Business Drivers



## Hybrid & Remote Work Support

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Optimal protection against cyber threats where your employees are



## Active Defense for Devices

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Able to stop a cyber attack in its tracks;  
Can kill, quarantine malicious files



## Protects Against Unknown Threats

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Blocks known (signature-based) and unknown (behavioral-based) malicious activity

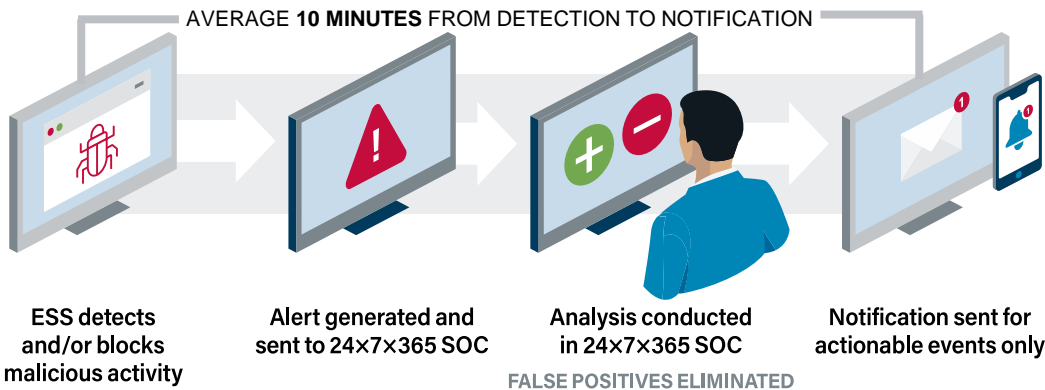



## Full-time Cyber Defense Partner

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24x7x365 CIS SOC monitors devices even when your security team is not

### Industry-leading Response Times



 Eliminating 75% of false positives saves time, simplifies decision-making



### Incident Response

- <10 min Alert Analysis
- Customizable Escalation Procedures
- Remote System Quarantine
- Remote Incident Response/Remediation via Falcon platform



# Defending SLTTs Together

Combining the Strengths of Two Industry Leaders



**CROWDSTRIKE**



- **Recognized as a leader in modern endpoint security**
  - Gartner, Forrester, IDC
- **Winner of multiple industry awards**
  - SC Awards, Forbes, Deloitte, Inc 500|5000
- **Home of the MS-ISAC and EI-ISAC**
- **Leads development of globally-recognized security best practices**
  - CIS Critical Security Controls
  - CIS Benchmarks
- **Recognized as industry standard for cyber defense**
  - NIST, PCI DSS, DoD STIGs, FedRAMP



# CIS Endpoint Security Services (ESS)

Device-Level Protection and Response



Falcon Prevent



Falcon Insight



Falcon Discover



Falcon Device Control



Falcon Firewall Management

**ESS Core Modules**



Falcon Spotlight

**ESS Spotlight**



# Traditional Vulnerability Management

Stuck in the Dark Ages



Scanning is slow and burdensome



Vulnerability reports are unusable



Vulnerability scans have blind spots



# Real-time Vulnerability Management

ESS Spotlight

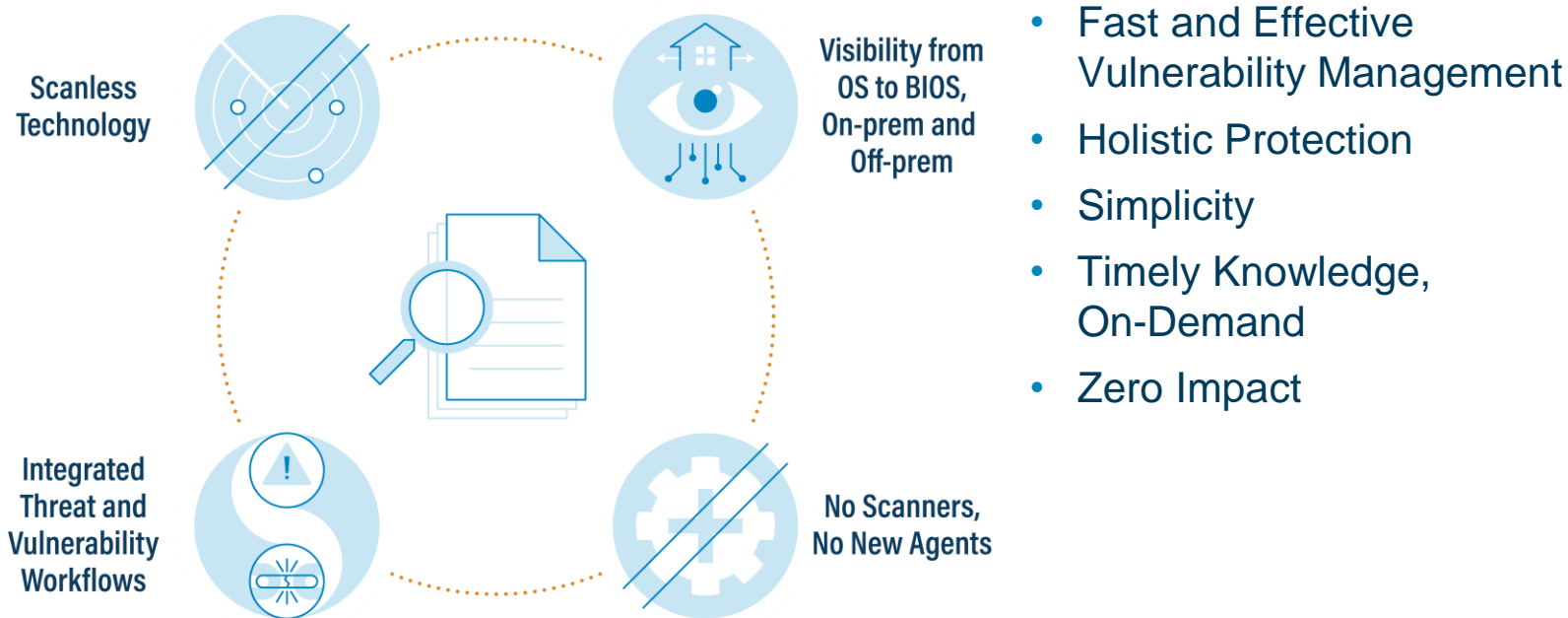


- Available as an additional module to the ESS service
- Monitor vulnerabilities on your devices in real-time
- Scan-less vulnerability
- Prioritize remediation of endpoint vulnerabilities
- Simplifies and shortens your response time with at-your-fingertips endpoint data
- On or off-network vulnerability assessment



# ESS Spotlight

## Illuminating Endpoint Vulnerabilities Using ESS Spotlight





# ESS Spotlight

A More Complete Picture of Risks in Your Organization



Adobe Acrobat™



## Expanded Vulnerability Visibility of:

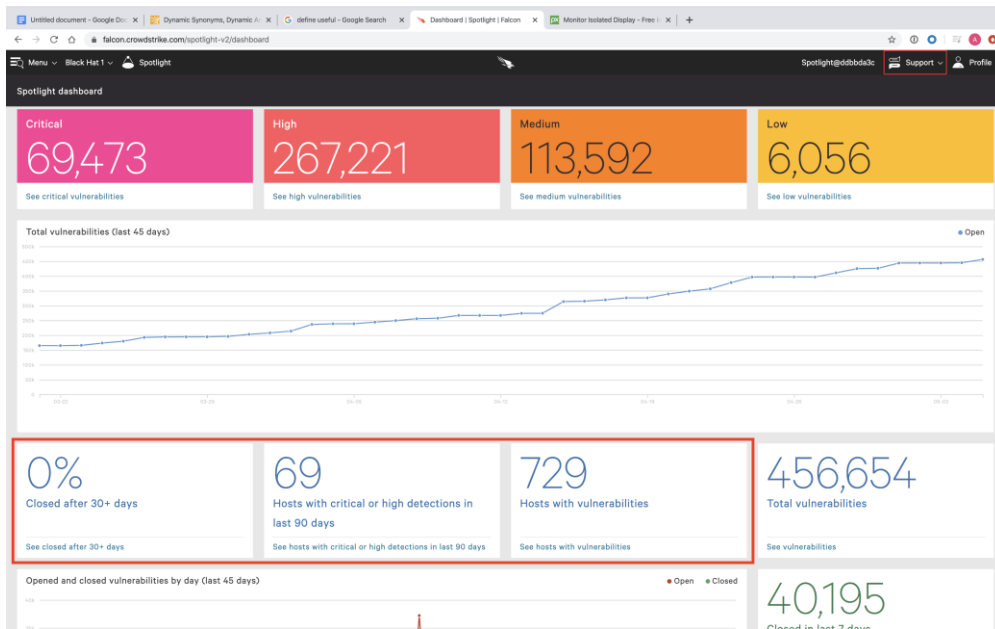
- Windows desktop applications
- Server software
- Development tools





# ESS Spotlight

## Gain Security Efficiency and Efficacy



- Prioritized Hosts With Detections
- Interactive Dashboards
- Saved Filters



# ESS Spotlight

Easier to Prioritize, Manage, and Track Vulnerability Status

Installed Patches

Q Type to filter 639 hosts found X

OS version	Reboot status	Type	Site	Domain	Patched more than
Windows Server 2019	482 No reboot needed	637 Server	515 DJS-Home-San-Diego	2 crowdstrike.home.stachniak.com	2 1 day ago 597
Windows 10	109 Reboot pending	2 Workstation	121 Default-First-Site-Name	2 cselevate.com	1 7 days ago 502
Windows Server 2016	33	(empty)	2	secure.propolis.com	1 14 days ago 429
Windows 7	12	Domain Controller	1		30 days ago 251
(empty)	2				60 days ago 75
+Q	1 more +Q	+Q	+Q	+Q	+Q

Hostname	Type	OS version	Active patches	Reboot status	Pending patches	Vulnerabilities	Last patched	Actions
ATIB_WIN7	Workstation	Windows 7	176	No reboot needed	3	3869	May. 5, 2020 04:44:20	
SAYAN-MAC-WINVM	Workstation	Windows 10	5	Reboot pending	3	308	Apr. 1, 2020 07:55:29	
			12	Reboot pending	1	689	May. 11, 2020 16:07:57	
CS-SE-EZ64	Workstation	Windows 7	9	No reboot needed	1	3751	Apr. 3, 2020 14:14:56	
SE-JLE-RDP	Server	Windows Server 2019	0	No reboot needed	0	0		



# Alignment with Industry Standards

9 CIS Controls

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**MITRE ATT&CK  
framework aligned**

**FedRAMP certified**

**ATT&CK<sup>®</sup>**

 **FedRAMP**

 **CIS Controls**

**Assists with CIS Critical Security Controls  
(CIS Controls) implementation**

- CIS Control 1: Asset Inventory
- CIS Control 2: Software Inventory
- CIS Control 4: Secure Configuration of Enterprise Assets and Software
- CIS Control 5: Account Management
- CIS Control 6: Access Control Management
- CIS Control 7: Continuous Vulnerability Management
- CIS Control 10: Malware Defense
- CIS Control 13: Network Monitoring and Defense
- CIS Control 17: Incident Response Management



# ESS Pricing

## ESS Core

**Yearly**

\$60 per endpoint

**Monthly**

\$5 per endpoint

## ESS Spotlight

**Yearly**

\$6 per endpoint

**Monthly**

\$0.50 per endpoint



# Monthly Activity Report (MAR)

Summary of Logged Activity

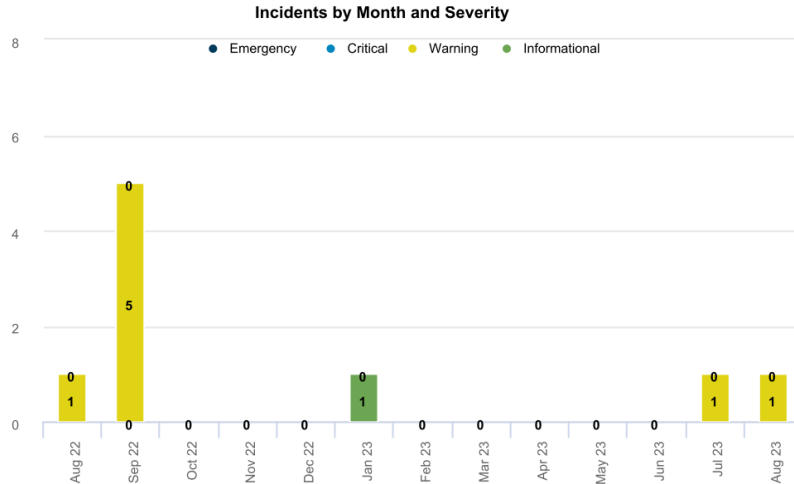


- **Agency Executive Summary**
- **ESS Endpoints Summary**
- **ESS Incident Summary**
  - Incidents by severity
  - Incidents by category
  - Ticket information
  - Incidents by severity monthly and YTD
  - Incidents and events by severity YTD
  - Incidents and events by category YTD



# MAR Reporting Sample

## [City of Toad Suck] Executive Summary



TOTAL ENDPOINTS	
Eligible Endpoints	405
Installed Endpoints	373

SEVERITY	TOTAL INCIDENTS
Emergency	0
Critical	0
Warning	1
Informational	0
<b>Total</b>	<b>1</b>



# ESS Related Webpages & Files

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- [ESS Landing Page](#)
  - [Blog: Endpoint Security, The Key to Combatting Sophisticated CTAs](#)
  - [Blog: Announcing CIS Endpoint Security Services for SLTTs](#)
  - [Webinar: Defending Today's Workforce with CIS Endpoint Security Services](#)
  - [Webinar: CIS Endpoint Security Services – C Level Roundtable Discussion](#)
  - [Terms and Conditions: CIS Endpoint Security Service via CrowdStrike](#)
  - [All CIS Endpoint Security Service Related Webpages](#)
- Internal Use Only Resources:**
- [CIS Server: Gartner Research Endpoint Security](#)
  - [MarCom: ESS Market Intelligence Repository](#)







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# **Malicious Domain Blocking and Reporting Plus MDBR+**



# MDBR+

## Advanced Web Security Service: Features

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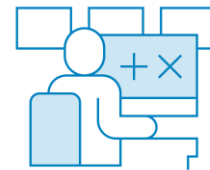
Cloud-Based  
Management  
Portal



Custom  
Acceptable Use  
Policies,  
Allow/Deny Lists

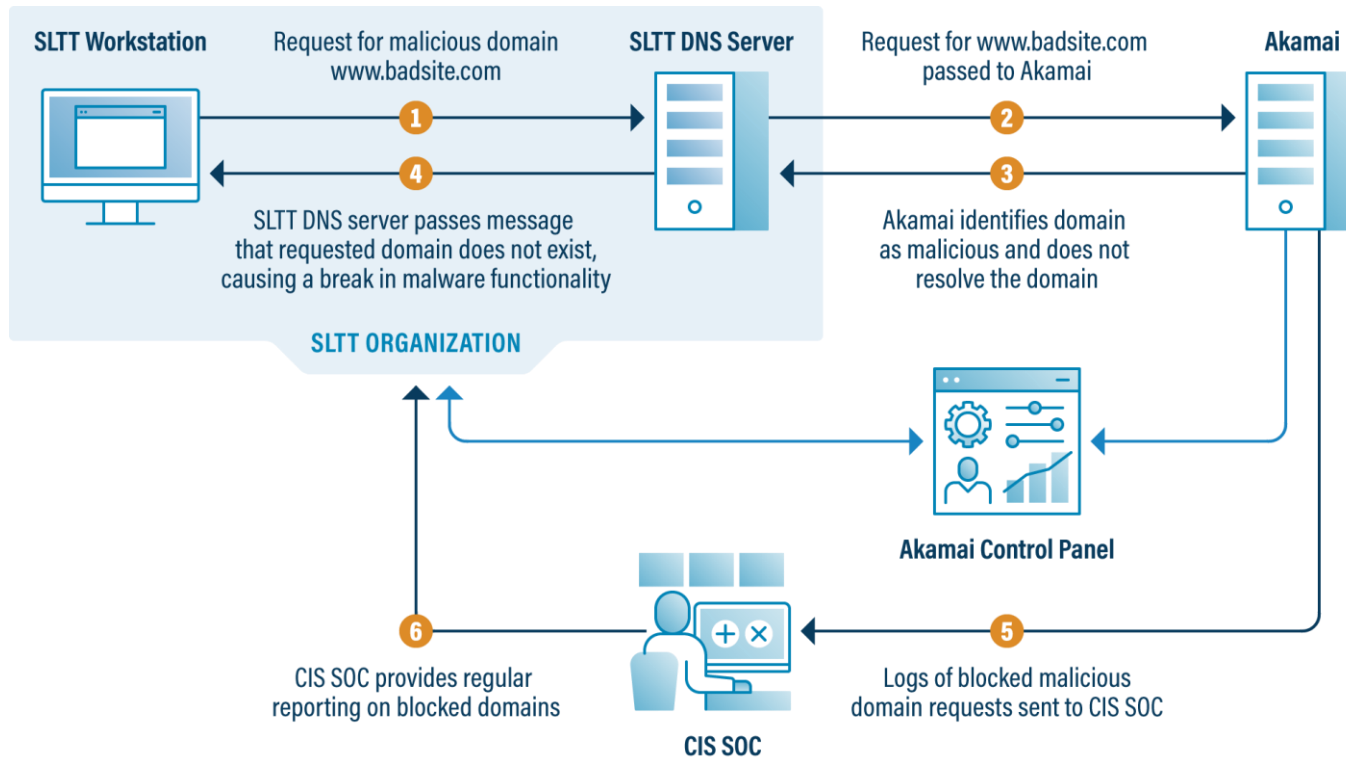


Enhanced  
Reporting &  
Visibility



Impactful Threat  
Intelligence from  
Akamai and the  
CIS SOC

# MDBR+ in Action





# Why MDBR+?

## Business Drivers



Real-time  
Access to  
Portal Dashboard  
and Reports



Acceptable Use  
Policy (AUP)  
Enforcement



Security  
Connector  
or Agents for  
Host-based  
Reports and  
Portable Device  
Protection



Customer-specific  
Allow and Deny  
Lists  
with Customer-  
specific Error  
Pages



Save Security  
Teams Time by  
Administering  
Security Polices  
Globally in  
Seconds



# MDBR+ Feature Comparison

What's the Difference between MDBR and MDBR+?

	MDBR	MDBR+
<b>Security</b>		
Block Malware, Phishing, and C&C	x	x
Identify DNS Data Exfiltration	x	x
URL Inspection		x
Enforce Security for Roaming users		x
Configurable Security Policies		x
Investigation of Security Alerts		x

	MDBR	MDBR+
<b>AUP</b>		
Enforce AUP		x
Enforce Safe Search		x
<b>Reporting/Monitoring/Analytics</b>		
CIS MDBR Report	x	x
Real-time Enterprise Wide Activity and Search		x
Delegated Administration		x
Customized & Automated Reports		x



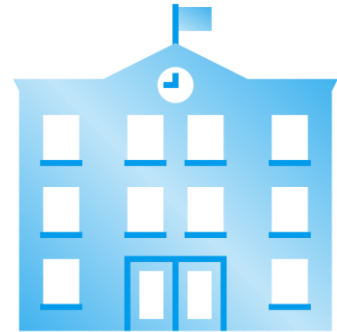
# User Stories

K-12 Director of Technology in Indiana

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“MDBR+ has given us **greater insight into our environment**. We can now see what devices on our network are trying to connect to these harmful domains and allows us to create actionable steps to mitigate these connections.”

“We also can **install client software on our mobile users’ devices** to help protect them when they are off-network. As an educational entity with limited resources, the use of MDBR+ helps us to be proactive by mitigating these connections before they become real problems.”





# User Stories

Director of IT and Communications in Pennsylvania

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“MDBR+ has proven to be a valuable addition to the Township’s cyber security infrastructure and initiatives. The overall **health of the network traffic and DNS requests are easily observed via the dashboard** view and Akamai’s threat reporting features allow you to get granular and as deep as you need to go.”

“The deployment and **installation is very simple and a quick process**. The ability to update remote agents is a welcomed feature. We have been very happy with the MDBR+ service that Akamai and CIS provide and I would recommend it as a part of any well maintained and hardened security protocol.”





# MDBR+ Pricing

MDBR+	
Tier	Cost
Tier 1	\$200 per month up to 150 users <i>\$0.75 per user per month for 151 – 1,999 additional users</i>
Tier 2	2,000 – 4,000 users \$0.60 per month per user
Tier 3	Over 4,000 users \$0.50 per month per user <i>Bulk discounts may be approved at manager discretion</i>





# Defending SLTTs Together

Combining the Strengths of Two Industry Leaders



- **Powers and protects life online**
- **Trusted globally**
  - All 6 U.S. military branches
  - 14 of 15 U.S. federal civilian cabinet agencies
  - 9 of top 10 software companies
  - 8 of top 10 retail companies
- **Recognized as industry leader by**
  - Forrester, SC Awards, IDC
- **Home of the MS-ISAC and EI-ISAC**
- **Leads development of globally-recognized security best practices**
  - CIS Critical Security Controls
  - CIS Benchmarks
- **Recognized as industry standard for cyber defense**
  - NIST, PCI DSS, DoD STIGs, FedRAMP



# MDBR+ Related Webpages & Files

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- [MDBR+ Landing Page](#)
- [Spotlight: Election Security Spotlight – What is MDBR+?](#)
- [Press Release: Industry Leaders Collaborate on New Cybersecurity Offering](#)
- [Terms and Conditions: MDBR+](#)
- [Akamai Blog MDBR+ Partnership](#)
- [MDBR+ Launch Welcome Campaign](#)
- [MDBR+ Video](#)

## Internal Use Only Resources:

- [CIS Server: Gartner Research Managed Detection and Response](#)
- [MarCom: MDBR+ Market Intelligence Repository](#)





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# **CIS Managed Security Services**

## **MSS**



# Managed Security Services (MSS)

## Features



**Expert Event & Log Analysis by 24x7x365 CIS SOC**



**Eliminate False Positive Alerts**



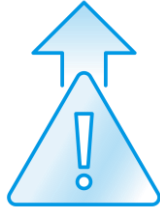
**Available for Host of Devices in IT Environments**



# Managed Security Services (MSS)

## Business Drivers

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### **Alleviate Alert & Log Fatigue**

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Filter out false positives so security teams only deal with credible threats



### **Save Time, Effort**

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Security teams can focus on what is important without wading through time-consuming false positives



### **Gain a Full-time Security Partner**

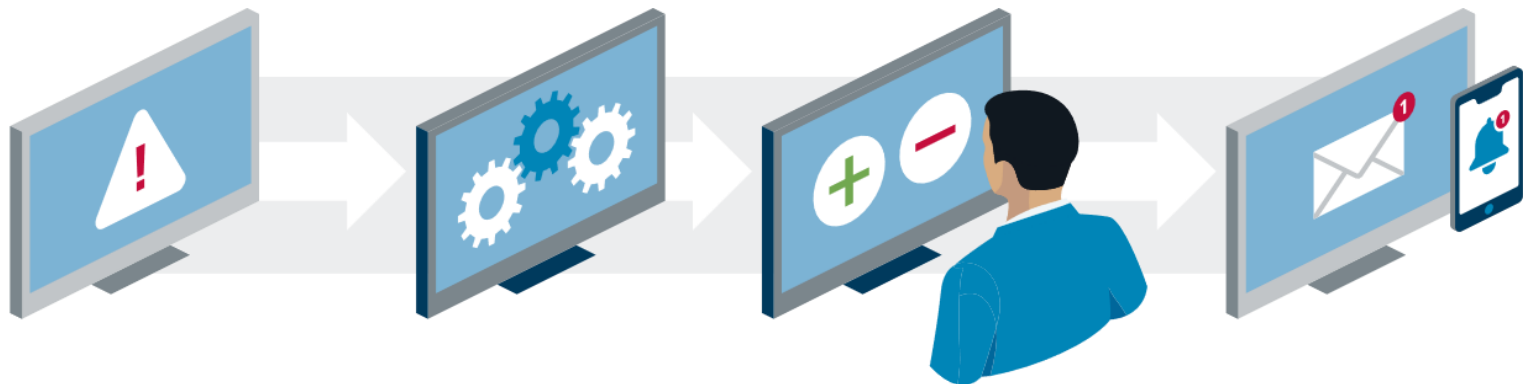
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CIS SOC works round-the-clock to analyze and escalate your logs/events



# MSS in Action

Alleviate Alert and Log Fatigue



**MSS Monitored  
Device Alert/Event**

**CIS SIEM**

**Analysis conducted in  
24x7x365 SOC  
FALSE POSITIVES ELIMINATED**

**Notification Sent for  
Actionable Events Only**



# Defending SLTTs Together

Combining the Strengths of Two Industry Leaders



- **Recognized as industry leader by**
  - Fortune, Fast Company, BrandZ
- **Trusted by 89 of the Fortune Global 100 companies**
- **Home of the MS-ISAC and EI-ISAC**
- **Leads development of globally-recognized security best practices**
  - CIS Critical Security Controls
  - CIS Benchmarks
- **Recognized as industry standard for cyber defense**
  - NIST, PCI DSS, DoD STIGs, FedRAMP





# Monthly Activity Report (MAR)

Summary of Logged Activity

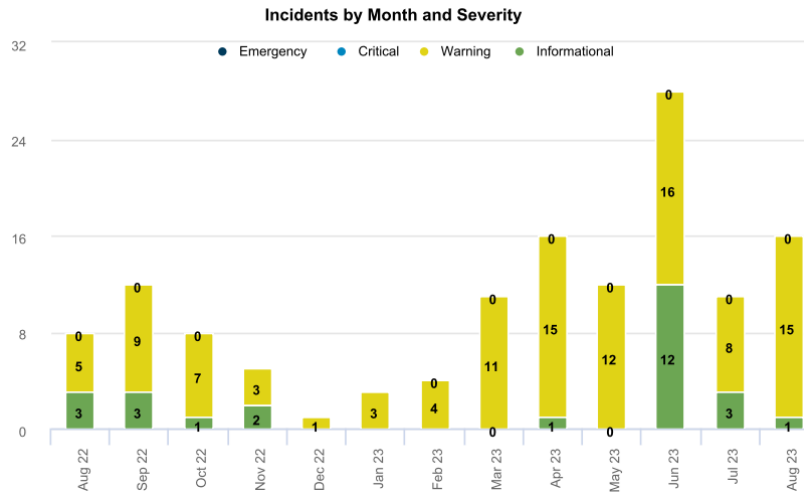


- **Nationwide Summary**
- **Agency Executive Summary**
- **MSS Event Summary**
  - Actionable events by severity
  - Ticket information
  - Generated events by severity YTD
  - Generated events by signature classification
  - Actionable events by signature classification
- **MSS Traffic Graphs**



# MAR Reporting Sample

## [Agency Acronym] Executive Summary



SEVERITY	TOTAL EVENTS
Emergency	0
Critical	0
Warning	497
Informational	264
<b>Total</b>	<b>761</b>





# MSS Related Webpages & Files

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- [MSS Landing Page](#)
- [Terms and Conditions: MSS](#)

## Internal Use Only Resources:

- [CIS Server: Gartner Research MSS](#)
- [MarCom: MSS Market Intelligence Repository](#)



# Vulnerability Assessment



# Vulnerability Assessment: Network and Web App

Expert Analysis, Prioritization, and Remediation

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- **Identify critical system weaknesses**
  - Help organization prioritize remediation steps
  - Manually verify assessment results
  - Assist in meeting PCI DSS, HIPAA, and others compliance frameworks
- **Assessments include**
  - Network discovery and mapping
  - Asset prioritization
  - Remediation tracking
- **Reporting**
  - Prioritized remediation guidance
  - Based on severity of threat

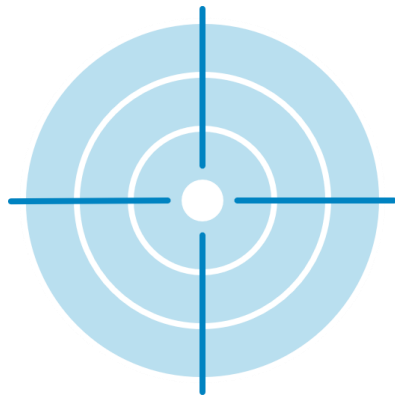


# Penetration Testing

# Pen Testing: Web App, Internal/External Network

Clear Assessment of Cybersecurity Policies, Processes, and Defenses

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- **Simulate a real-world cyber attack**
  - Experts attempt to exploit vulnerabilities
  - Determine likelihood and potential scope of cyber attack
- **Provides a safe review of an organization's security posture**
- **Detailed reporting**
  - Prioritized actionable information
    - Based on severity with remediation guidance
  - Identify how vulnerability was discovered
  - Potential impact
  - Recommendations
  - Vulnerability references





**Thank You**