

Building Your Defensive Line: Selecting MSS to Increase Your Cyber Resilience

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What is MSS?



Asset Discovery

Know who and what is connected to your environment at all times



Vulnerability Assessment

Know where the vulnerabilities are on your assets to avoid compromise



Intrusion Detection

Know when suspicious activities happen in your environment



Endpoint Detection & Response

Continuously monitor your endpoints in the cloud and on premises to detect threats and changes to critical files.



Behavioral Monitoring

Identify suspicious behavior and potentially compromised systems



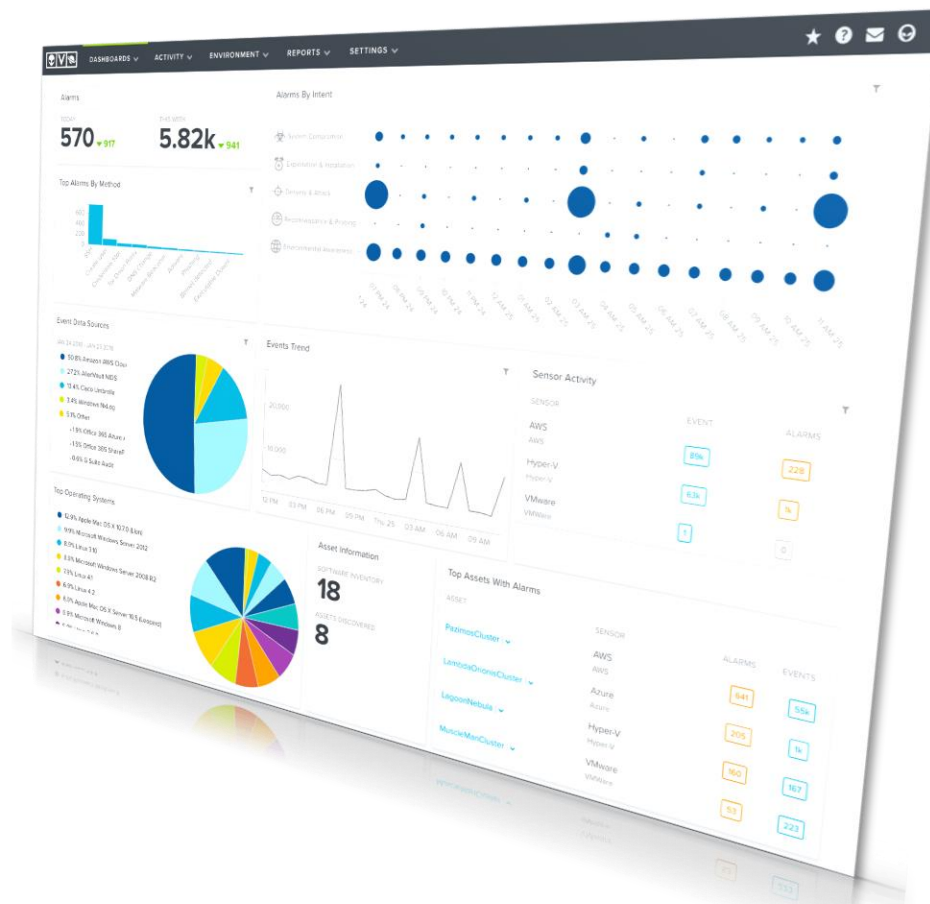
SIEM & Log Management

Correlate and analyze security event data from across your network and respond



Security & Compliance Reporting

Pre-built, customizable reports for regulation standards and compliance frameworks



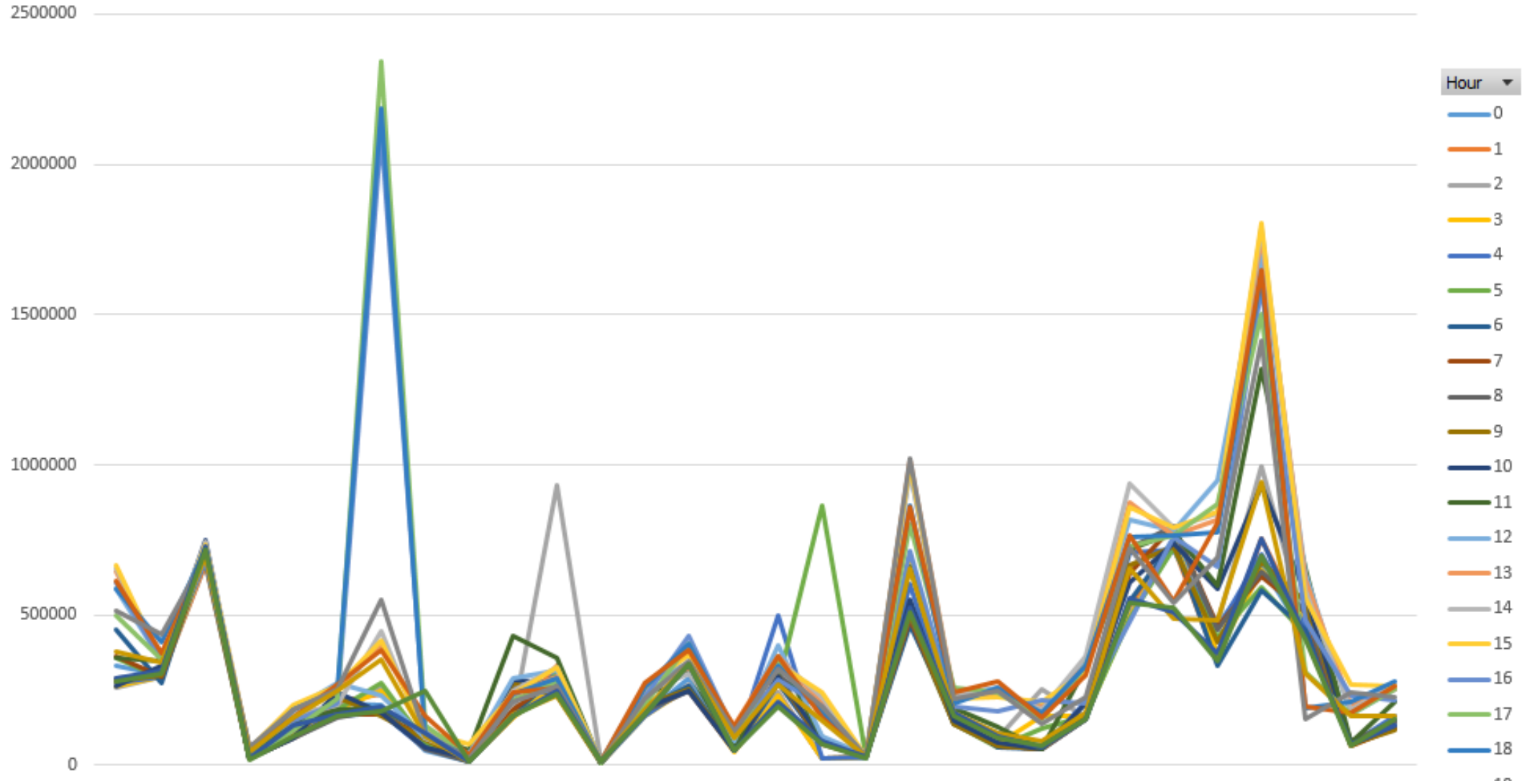
A Unified Security Platform for Threat Detection, Incident Response & Compliance

History of SEDC MSS

- SEDC MSS (powered by AlienVault)
 - 3 pilots in Q4 2016
 - Serving 36 utilities today
- SEDC EDR (powered by Carbon Black)
 - Serving 15 utilities today
- SEDC MFA (powered by Duo)
 - Serving 15 utilities today

Millions of Events Daily (36 Clients)

Sum of Count

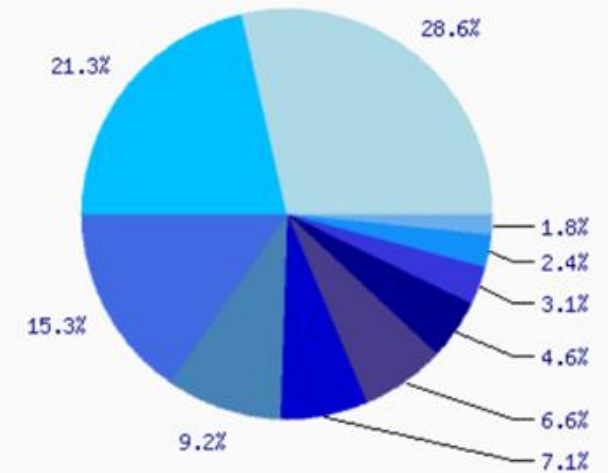


1000+ Alarms Daily (36 Clients)

ALARM REPORT			
CREATOR	AVAILABLE FOR	DATE RANGE	ASSETS
admin	All users	Date from: 2019-07-11 Date to: 2019-07-12	All Assets

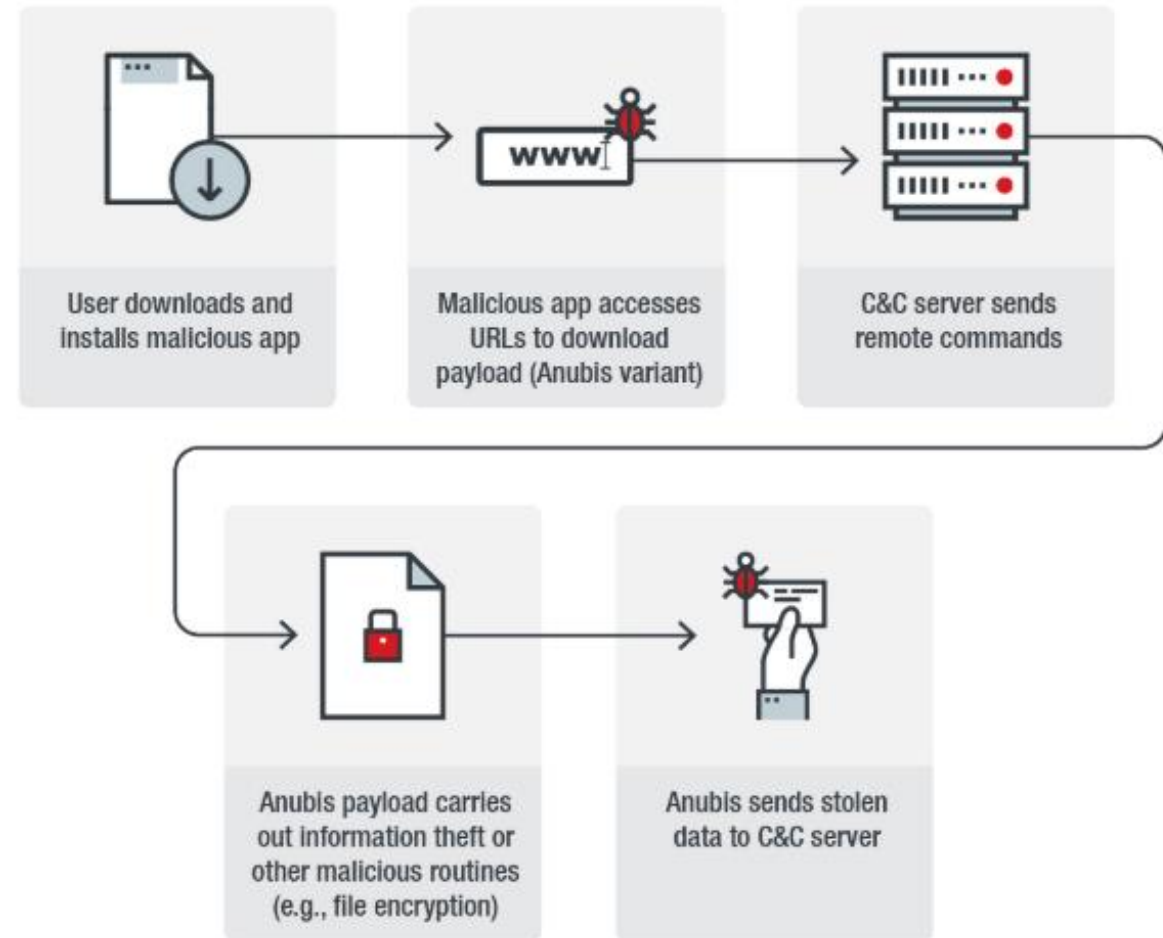
ALARMS - TOP 25 ALARMS

ALARM	OCCURRENCES
Reconnaissance & Probing — Portscan — Nmap	293
AlienVault NIDS: "SEDC/ET - DNS Reply Sinkhole - Anubis - 195.22.26.192/26"	219
Delivery & Attack — Bruteforce Authentication — Windows Login	157
Delivery & Attack — Bruteforce Authentication — SSH	94
Exploitation & Installation — Service Exploit — OpenSSL HeartBeat	73
AlienVault NIDS: "SEDC - Inbound TFTP Read Request"	68
Environmental Awareness — Network Anomaly - Protocol on Unexpected Port — HTTP on HTTPS	47
Environmental Awareness — Suspicious Behaviour — Account Lockout	32
Availability-Monitoring: host alert - hard down	25
System Compromise — Worm infection — Internal Host scanning	18
Cisco-ILPOWER: Inline Power Notification Event	10
Cisco-ILPOWER: Inline Power Error Event	10
Delivery & Attack — Malicious website — Phishing activity	10



DNS Reply Sinkhole (TP or FP)

- True Positive Alarm
- Malware on Android phone on corporate WiFi contacting DNS sinkhole in Portugal

































DNS Reply Sinkhole (TP or FP)

- False Positive Alarm but still sketchy and requires research
- Firewall is making reverse DNS lookups to determine domain name of IP from Russia who was port scanning utility
- Domain registered by Dom Tehniki Ltd. from Russia




False Positive Alarm

<input type="checkbox"/>	EVENT NAME	▼ <u>DATE GMT-4:00</u> ▲	SENSOR	OTX	SOURCE	DESTINATION	RISK
<input checked="" type="checkbox"/>	SonicWALL: TCP connection dropped	2019-07-11 11:43:16			 46.3.96.69:46458		LOW (0) 
<input checked="" type="checkbox"/>	SonicWALL: TCP connection dropped	2019-07-11 08:34:39			 46.3.96.69:46458		LOW (0) 
<input checked="" type="checkbox"/>	SonicWALL: TCP connection dropped	2019-07-11 04:00:33			 46.3.96.69:46458		LOW (0) 
<input checked="" type="checkbox"/>	SonicWALL: TCP connection dropped	2019-07-11 02:32:09			 46.3.96.69:46458		LOW (0) 
<input checked="" type="checkbox"/>	SonicWALL: Initiator from country blocked: %s	2019-07-11 00:59:05			 46.3.96.69:48098		LOW (0) 
<input checked="" type="checkbox"/>	SonicWALL: TCP connection dropped	2019-07-11 00:13:37			 46.3.96.69:48098		LOW (0) 
<input checked="" type="checkbox"/>	SonicWALL: TCP connection dropped	2019-07-10 19:06:26			 46.3.96.69:48098		LOW (0) 
<input checked="" type="checkbox"/>	SonicWALL: TCP connection dropped	2019-07-10 02:13:28			 46.3.96.69:42626		LOW (0) 
<input checked="" type="checkbox"/>	SonicWALL: TCP connection dropped	2019-07-09 17:46:06			 46.3.96.69:42626		LOW (0) 
<input checked="" type="checkbox"/>	SonicWALL: TCP connection dropped	2019-07-09 07:51:12			 46.3.96.69:52758		LOW (0) 

False Positive Alarm

Basic Information

LOCATION: Russian Federation 
ASN/OWNER: AS202984 Chernyshov Aleksandr Aleksandrovich
FIRST SEEN: May. 27, 2019, 2:5/27/2019 2:40:33 AM AM
LAST SEEN: Jul. 12, 2019, 8:7/12/2019 8:02:56 AM AM

Threat Summary

THREAT SCORE: 2 (out of 7)
OBSERVED ACTIVITY: Malicious Host
Actively Malicious

External Sources

[Whois](#) [VirusTotal](#)

Observed Malicious Activity

Show entries

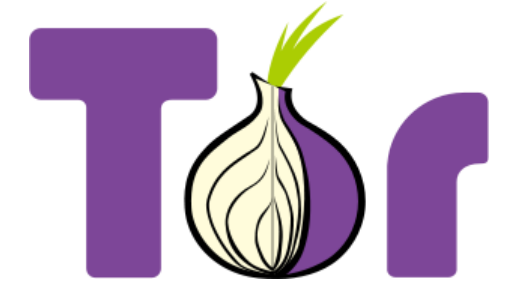
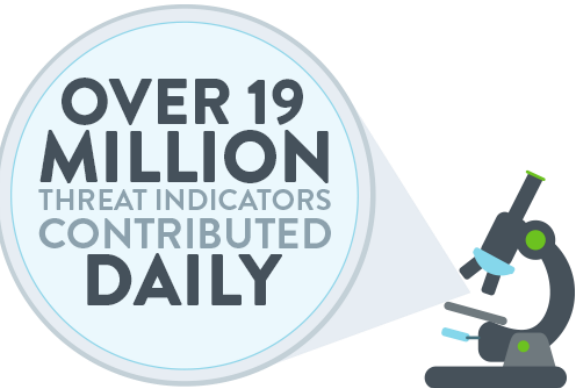
Search:

FINDING	CATEGORY
46.3.96.69 hostile	Malicious Host

The Importance of Threat Intelligence

THREAT	DISCOVERED	AVAILABLE FOR ALIENVAULT CUSTOMERS	TIME TO DETECTION ABILITY IN USM
Meltdown / Spectre	January 3, 2018	January 4, 2018	1 day
"Petya" / NotPetya	June 27, 2017	June 27, 2017	Same day
WannaCry	May 12, 2017	May 12, 2017	Same day
Samba CVE-2017-7494	May 25, 2017	May 25, 2017	Same day
EternalBlue	April 14, 2017	April 18, 2017	4 days
WordPress Content Injection	February 1, 2017	January 26, 2017	6 days BEFORE
Adobe 0-day (CVE-2015-0311)	January 22, 2015	November 16, 2014**	3 months BEFORE

SEDC MSS: Threat Intel Feeds



SEDC SOC - Atlanta, GA



SEDC MSS (Managed Security Services)

Why SEDC MSS?

- SEDC MSS is Cost Effective
 - Under SEDC umbrella, utility gains Security Operations Center (SOC) experts at a fraction of the cost
- 24x7 monitoring
 - of your network so you don't have to...
- PCI-DSS
 - Satisfy 37+ of the most challenging PCI-DSS requirements while improving the security of your network

SEDC MSS Demo

Sign up with SEDDC MSS!

Please contact

techsales@sedata.com or

cri@sedata.com

