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How EDR and SIEM Deliver Faster and More Efficient Security Protections

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IT NATION SECURE

Agenda

Current challenges and key trends

Common problems solved today

3 Improving the approach

4 ConnectWise approach

5 Near-term deliverables (EDR + SIEM)

Broader strategy (with details)



Current Challenges and Key Trends

Driving forces behind new platforms, product convergence, and new technologies

Lack of skilled resources

Not enough hunters



Convergence
Multi-cloud
Data lakes / mesh



Cybersecurity risk
Org resilience

Attack surface complexity

Ransomware

OT weaponization



Automation
Decentralized
As A Service

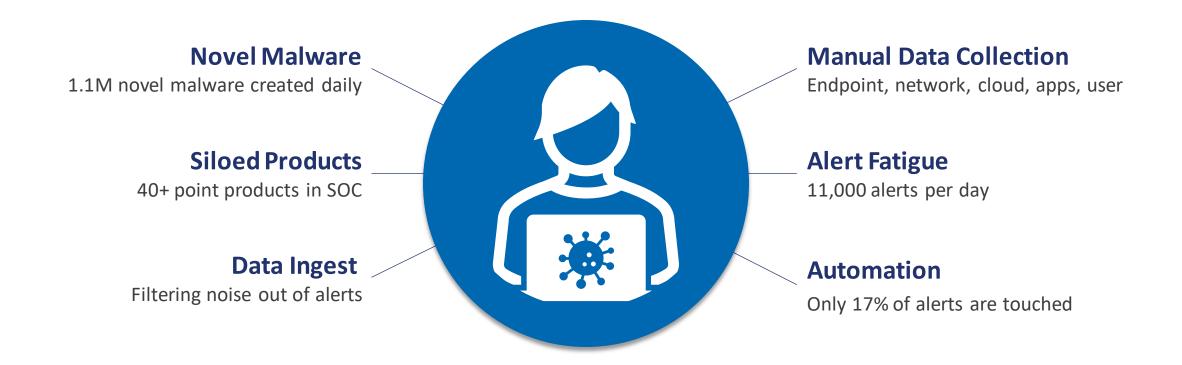


Regulations
Insurance
Data privacy



Modern Security Challenges

A Day in the Life of a SOC Analyst





Evolution of Security Platform Technology—Improving the Approach

investigation, hunting, triage, remediation)

Expanding to include risk, resiliency, recovery,

automation across natively integrated products

EDR	SIEM + EDR
 First cloud-native product to provide integrated detect, investigate, and respond UX (solved gap in SIEM UX) Analytics built in age of MITRE, extensive use of ML, anomaly detection Expanded with APIs and integrations with other data sources (SIEM, email, web, etc.) Alerts combine with endpoint events into prioritized incident More complete investigation picture to understand endpoint incident 	 Evolving, but general definition Cloud-native solution built on modern data lake and analytics architectures EDR: Early advantage and market leaders Cloud-native SIEM Or both Must have at least: EDR Additional primary sources natively connected (email, web, cloud, network, identity) SIEM/log source data (native or 3rd party API connectors) Extending upon baseline EDR UX (alerts, incidents,
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Response workflows trigger

network quarantine)

actions beyond endpoint (e.g.,

Extended Detection and Response (XDR)

XDR Generic Definition

"Extended Detection and Response (XDR) is a security threat detection and incident response capability that natively integrates multiple security products into a cohesive security operations system."

XDR = EDR + NIDS

- Most security interpret the definition of XDR as an advanced version of EDR.
- EDR on its own is restricted to looking at the endpoint and misses out on the intelligence that can be gathered from the network
- By adding the network visibility capabilities of a network-based IDS (NIDS), users get the ability to:
 - Gain visibility and protection across non-managed machines (the ones without the EDR agent deployed)
 - The ability to confirm or deny a possible attack by correlating the endpoint detection from the EDR with the network detection from the NIDS.

ConnectWise SIEM 3.0 Approach

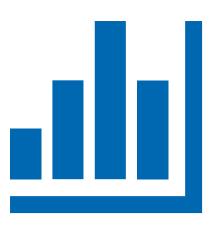
- ConnectWise SIEM delivers on XDR use cases.
- ConnectWise SIEM uses its own network sensor that is part of the SIEM as the network sensor to provide network visibility and detections. The network sensor receives regular CRU updates to signatures.
- CRU signature updates are unique in the market and focused on MSP relevant threats, protecting MSPs and their customers specifically.
- Integrates with multiple EDRs including SentinelOne, Bitdefender, Crowdstrike, Cylance, etc.
- ConnectWise also integrates with over 70 additional data sources for threat detection and attack context.

Near-Term Deliverables



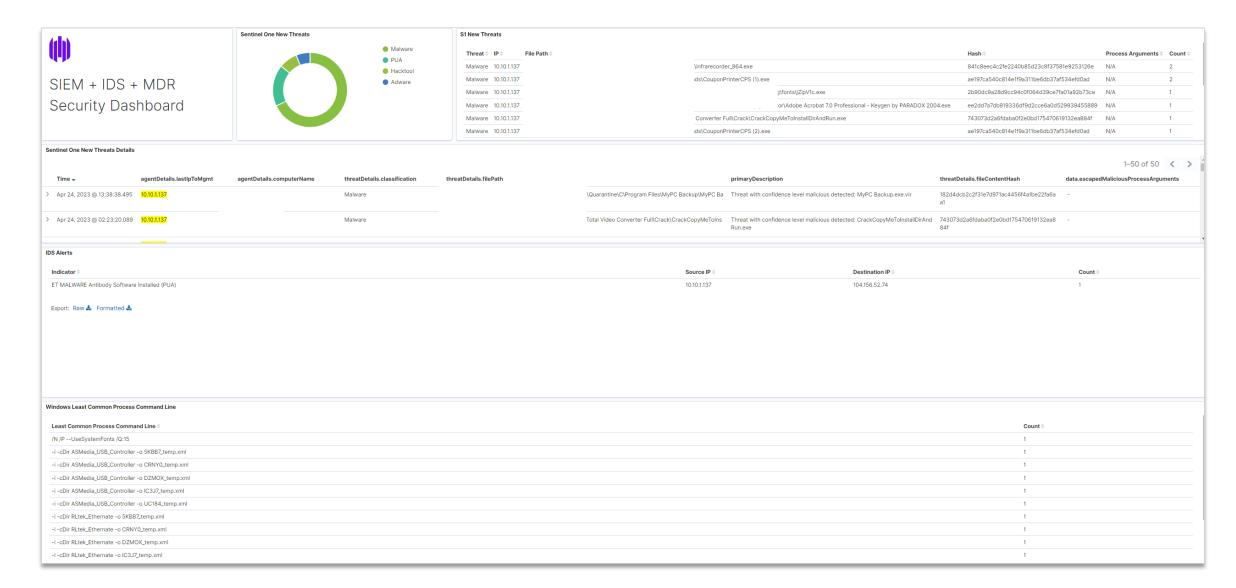
New EDR + IDS Dashboards

- Shows value of combining high-fidelity alert information
- Targeted to assist with investigations

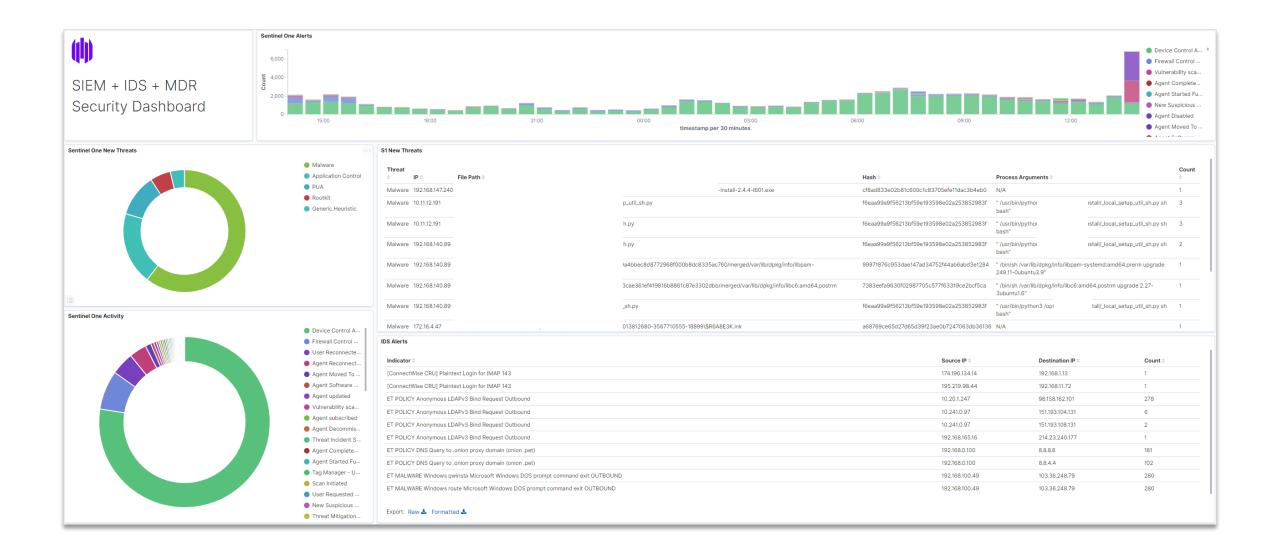




EDR + IDS: Threat Details



EDR + SIEM: Summary



SIEM: New Integrations

Microsoft Azure (new)

- ConnectWise now covers M365 across all of OneDrive, SharePoint, AD, and Azure
- Requires Microsoft Event Hub

- Azure Tenant Audit logs
- Sign-in logs
- Provisioning logs
- Risky user logs
- Risk detections logs

Comprehensive coverage of M365 environments

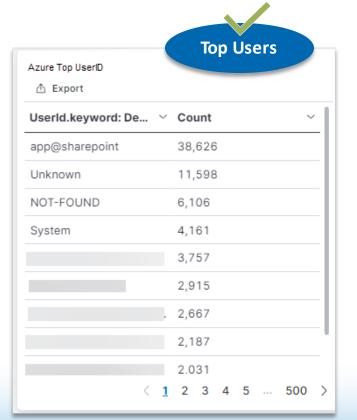
Microsoft O365 Monitoring (existing)

Data-Only Integrations

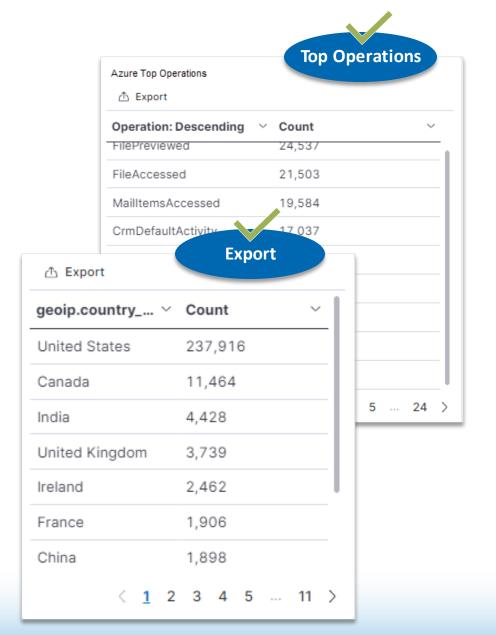
- Exium: monitoring SASE activity across secure internet access and secure private access
- DNS Filter: new data source for DNS activity monitoring



Easily View Azure Alert and Activity Sources







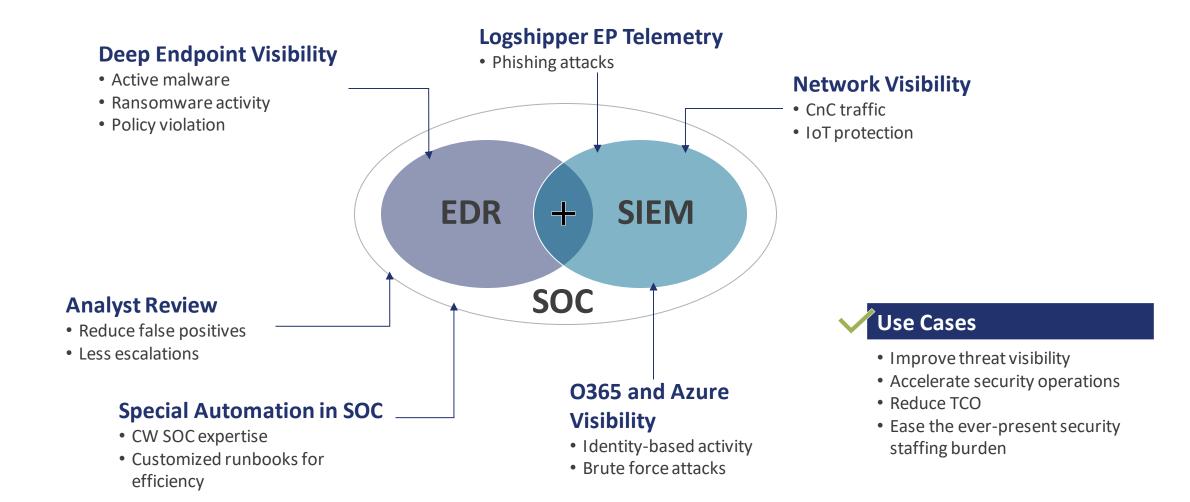


Broader Strategy



Use Cases and Visibility

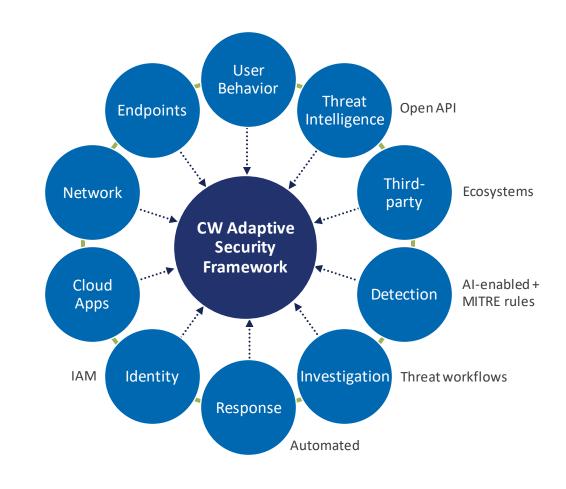
What is the Adaptive Security Framework?



Unified Cloud-Native Platform Approach

Flexible and Adaptive

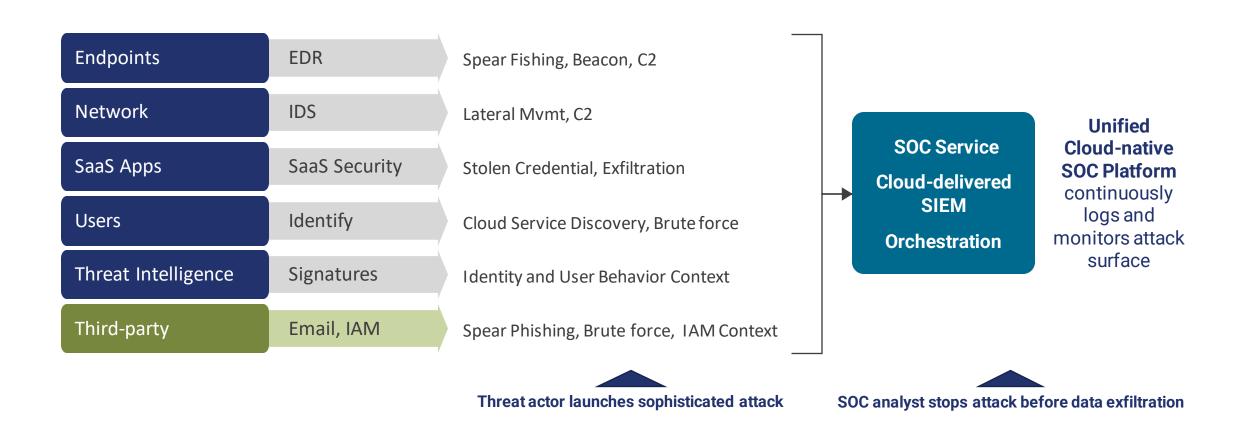
- Cloud-native SIEM platform
- Leverage and connect native products with essential third-party sources
- Open and seamless data ingestion, correlation, and enrichment
- Advanced threat detection rules
- Pre-built actionable threat workflows
- Orchestrated and automated response





Attack Kill Chain and Adaptive Framework In Action

Attack Anatomy: MITRE ATT&CK Kill Chain Analytics



Dev access Evasion access Mvmt	Re	econ	Resource Dev		Execution	Persistence	Priv Esc	Defense Evasion		Discovery	Lateral Mvmt	Collection	C2	Exfiltration	Impact	
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Adaptive Security with ConnectWise SIEM™ & Asio™ as our Vision

CW Asio Platform

Multi-vendor Product Ecosystem



Detection

Response

ConnectWise Approach

CW MDR + CW Co-managed SIEM

- 24x7 SOC with MSP focused security analysts
- MSP-focused threat intelligence through dedicated research team (CRU)
- Multiple consumption models



Other Market Solutions

- Limited visibility (single vendor focus)
- Limited MSP-focused threat intelligence
- Requires full set of modules to work

Summary

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MSP Security Trends

Relative Product Maturity

Early Stack

AV/EPP

Assessment Tool
Password Management

URL Filtering

NIDS Anti-spam

- Basic endpoint and Web browsing protection
- Solutions tie well into RMM
- Point solutions

Recent Stack

▼ EDR ▼ SIEM

Email Security

Vulnerability Management

SAT

URL Filtering

DNS Security

- Endpoint detection and response
- SIEM for compliance and network security
- Vulnerability Management for CIS#1

Today's Stack

→ MDR SIEM

Email Security
Vulnerability Management

IAM

Pen Test aaS

SAT, URL, DNS

DLP, CASB

- Managed Services to reduce MSP overhead
- Continued new technologies to cover (cloud, etc.)
- Stack has grown too large

Future Stack

XDR

✓ SASE (ZTNA)

Vulnerability and Asset

Email Security + Phish

SSPM / DSPM

IAM/ITDR/PAM

Mobile Security

Pen Test aaS

- Consolidation into platforms
- Single pane of glass (XDR)
- Response oriented
- Risk focused
- Starting to focus on data
- Cyber ins driving validation (PTaaS)

Time



