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Shaping the Future of Security Operations (SecOps) with AI

Nelson So, Senior Solutions Engineer
Ricky Mok, Solution Engineer, APJC TDIR Incubation

Is my SOC's TDIR lifecycle: Threat Detection, Investigation and Response cost-efficient?

IDC

InfoBrief, sponsored by Splunk | November 2024

The SIEM of Tomorrow

How SIEMs Are Evolving to Power the Modern SOC

Michelle Abraham
Research Director,
Security and Trust, IDC

Michelle Abraham is the research director in IDC's Security and Trust Group responsible for the Security Information and Event Management (SIEM) & Vulnerability Management practice. Michelle's core research coverage includes SIEM platforms, attack surface management, breach and attack simulation, cybersecurity asset management, and device and application vulnerability management alongside related topics.

Source: Get the IDC InfoBrief: The SIEM of Tomorrow

SOCs Are Dealing with a Lack of Visibility and Too Many Alerts

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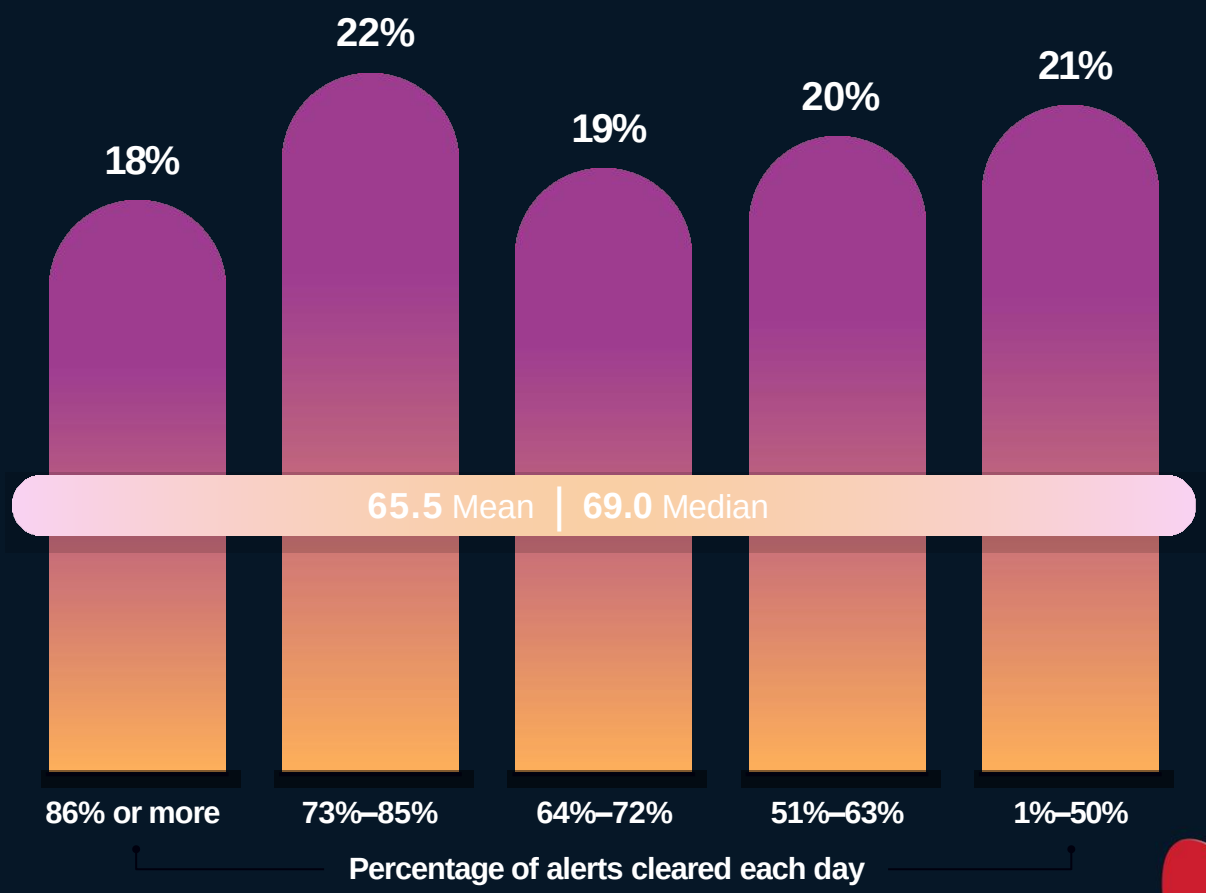
On a daily average,
organizations with a SIEM

clear only **65%** of alerts,

leaving **35%** uninvestigated.

SOC teams find it
impossible to get to all alerts
with the resources they have today.

Percentage of Organizations Clearing Alerts Each Day



Security Posture for Executives

What are the challenges in the TDIR lifecycle ?

TDIR Are Still Challenging, According to Users and Managers

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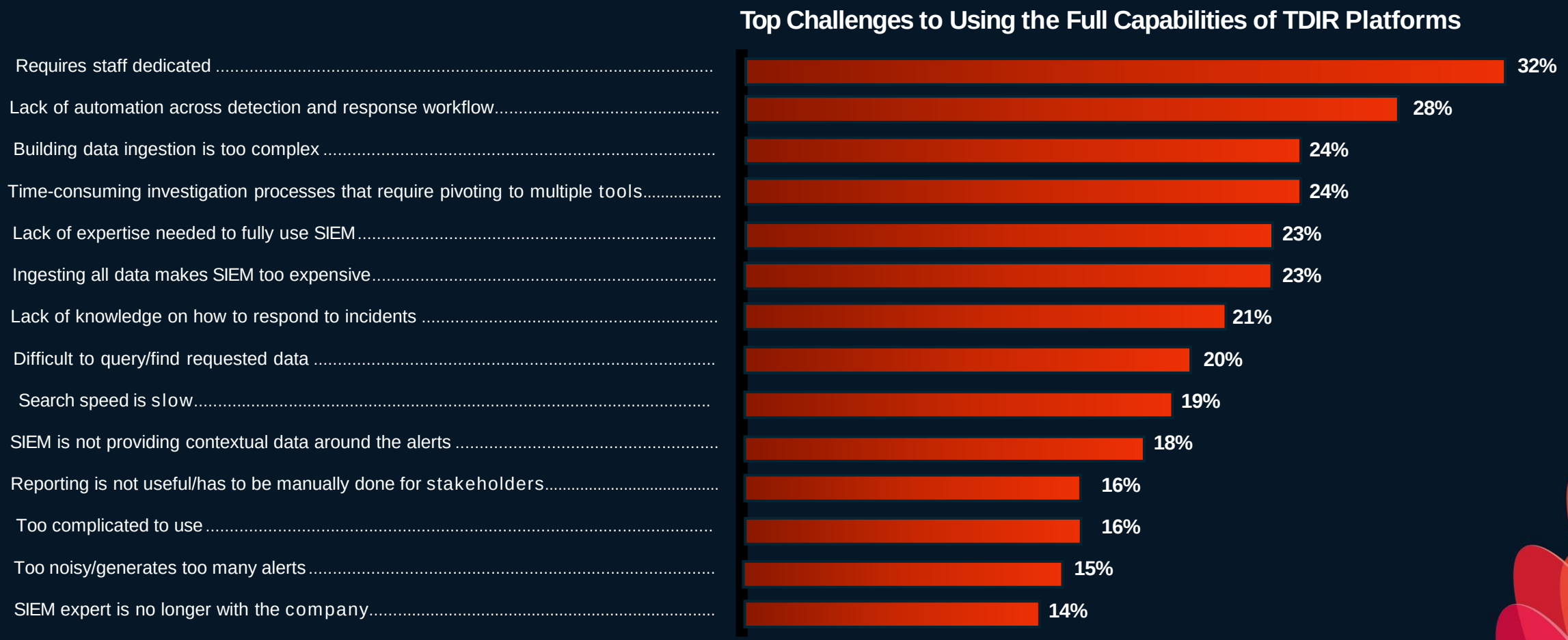

What features are required for TDIR?

Today's SOC Teams Prefer These Features

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A detection engine that can keep up with the pace of today's threats

Connection to all the data sources
the organization wants to use from the vendor

Deployment flexibility

User and entity behavioral analytics
to find stealthy threats that trend over time

Automation built into the platform,
eliminating the need to swivel into something else

What are the best TDIR options for my SOC?

Cisco's Delivering the SOC of the Future

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SIEM

Great at answering complex questions

"Show me all failed login attempts for this 12-hour period, 45 days ago from our U.K. subsidiary"

XDR

Great at notifying you of an incident

"PowerShell created an internal network connection never seen before. This might be ransomware!!!"

SOAR

Great at automating workflows & response actions

"Initiate a password reset for all U.K. employees."

"Quarantine the affected endpoint and take a snapshot of all our data center servers."

- Identity
- High Fidelity Telemetry
- AI
- Unified Management and Reporting

Is there a showcase to address all the requirements?

Cisco Future SOC Showcases

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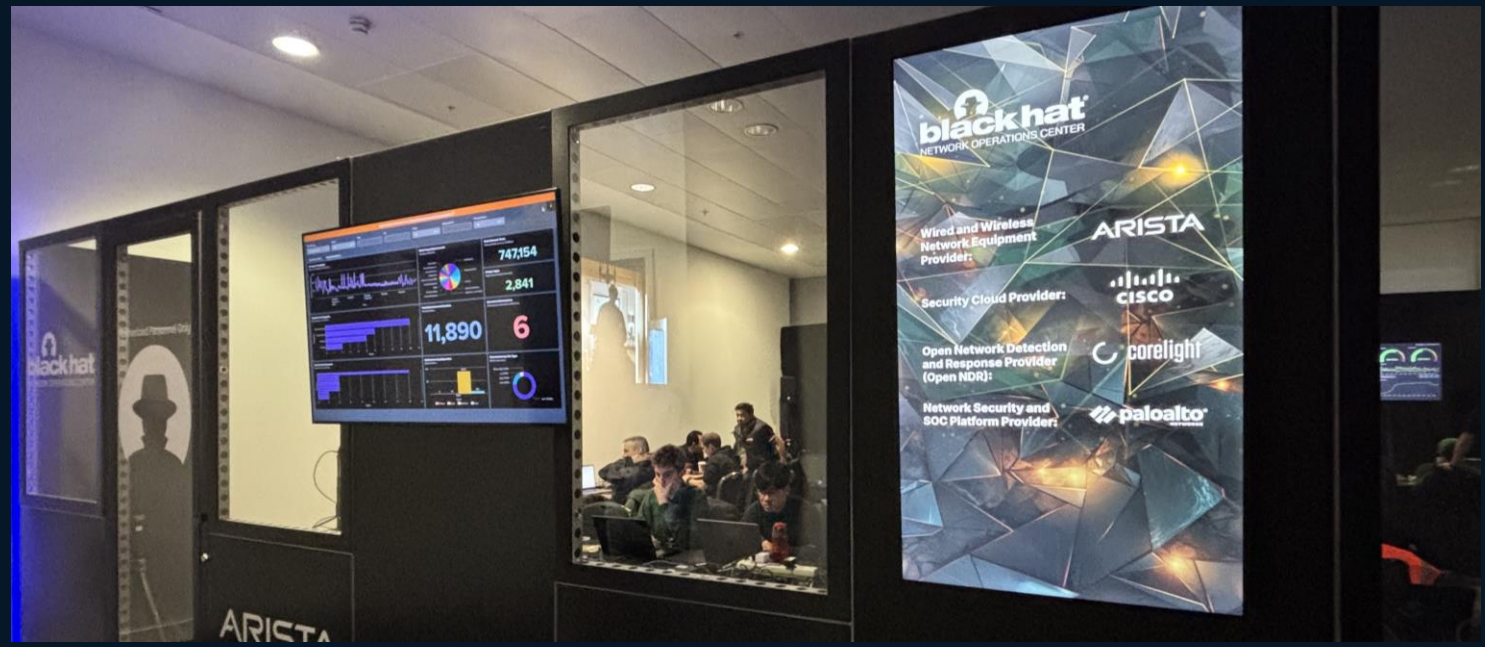
PARIS 2024



RSAConference2025
San Francisco
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How can AI assist with TDIR?

AI Assistant for Security

Attack Graph Enhancement

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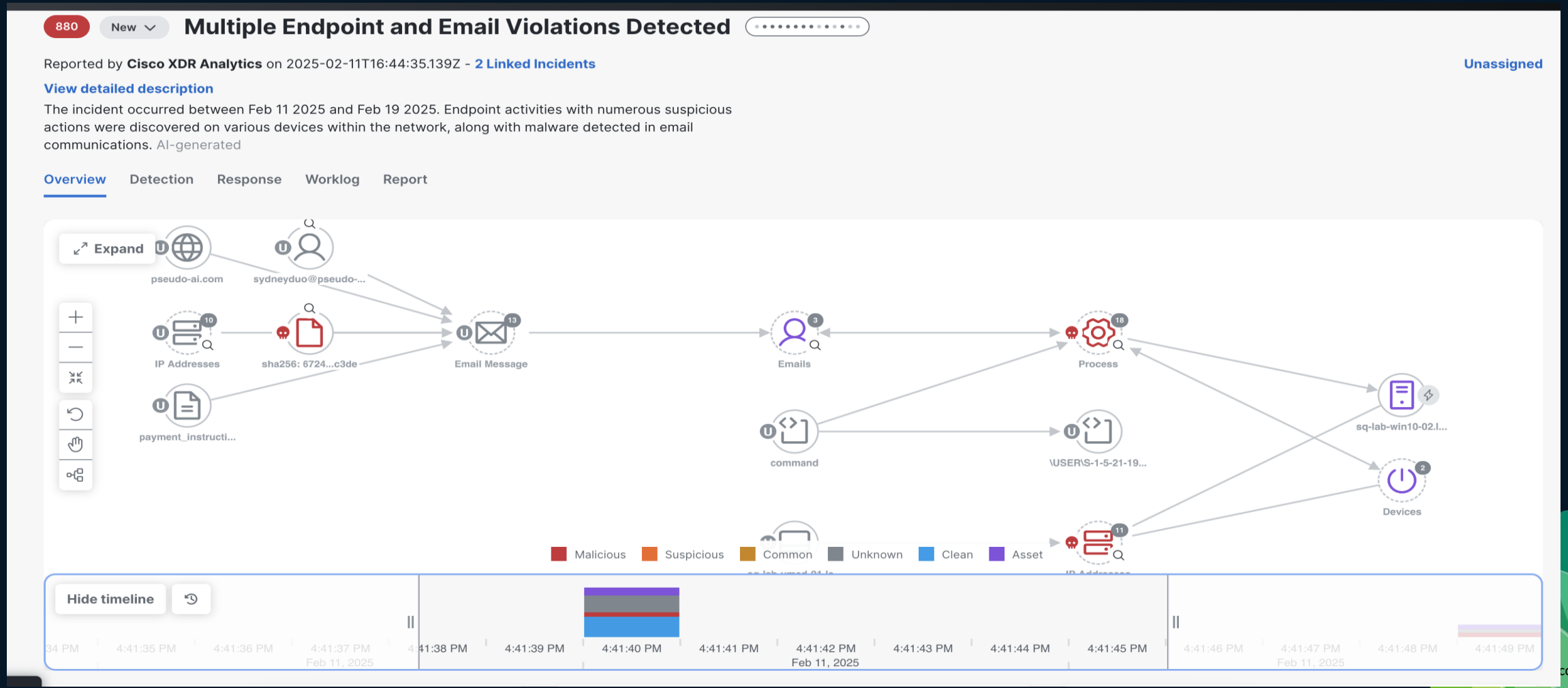

AI Assistant for Security

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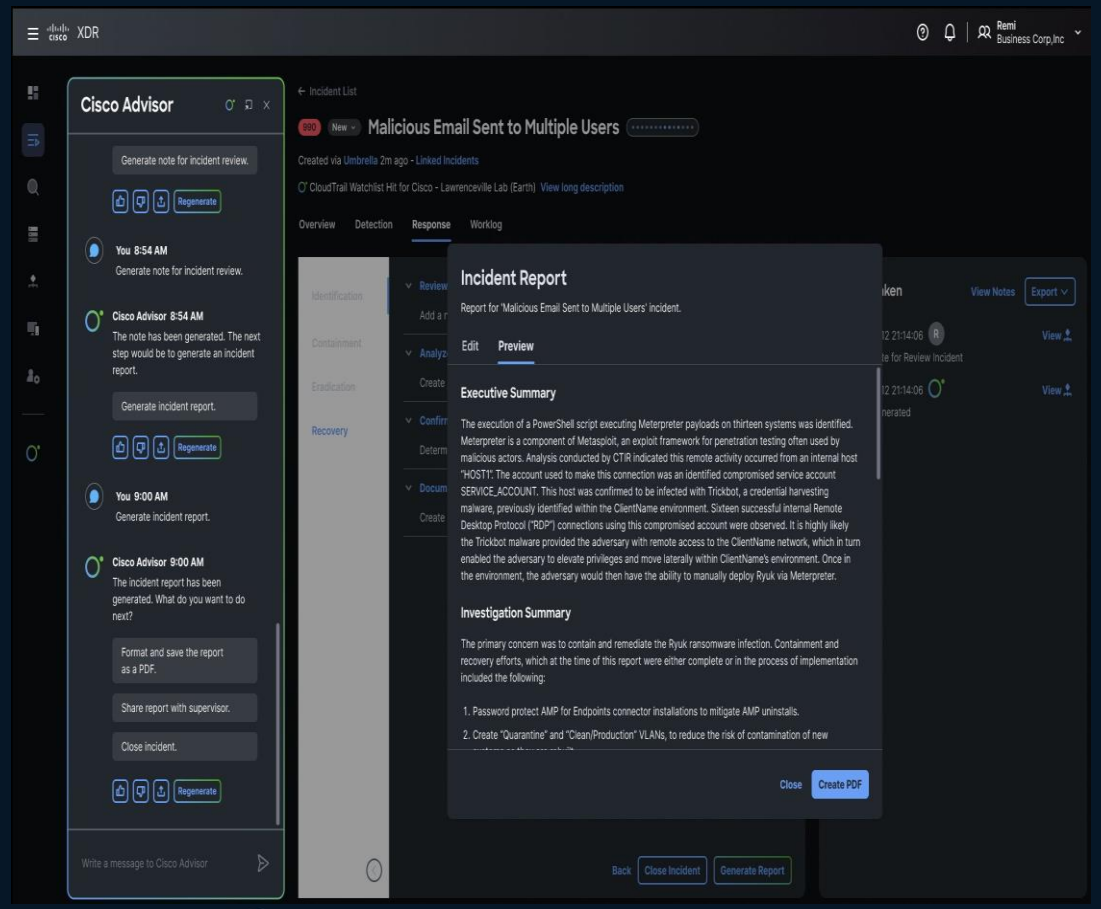
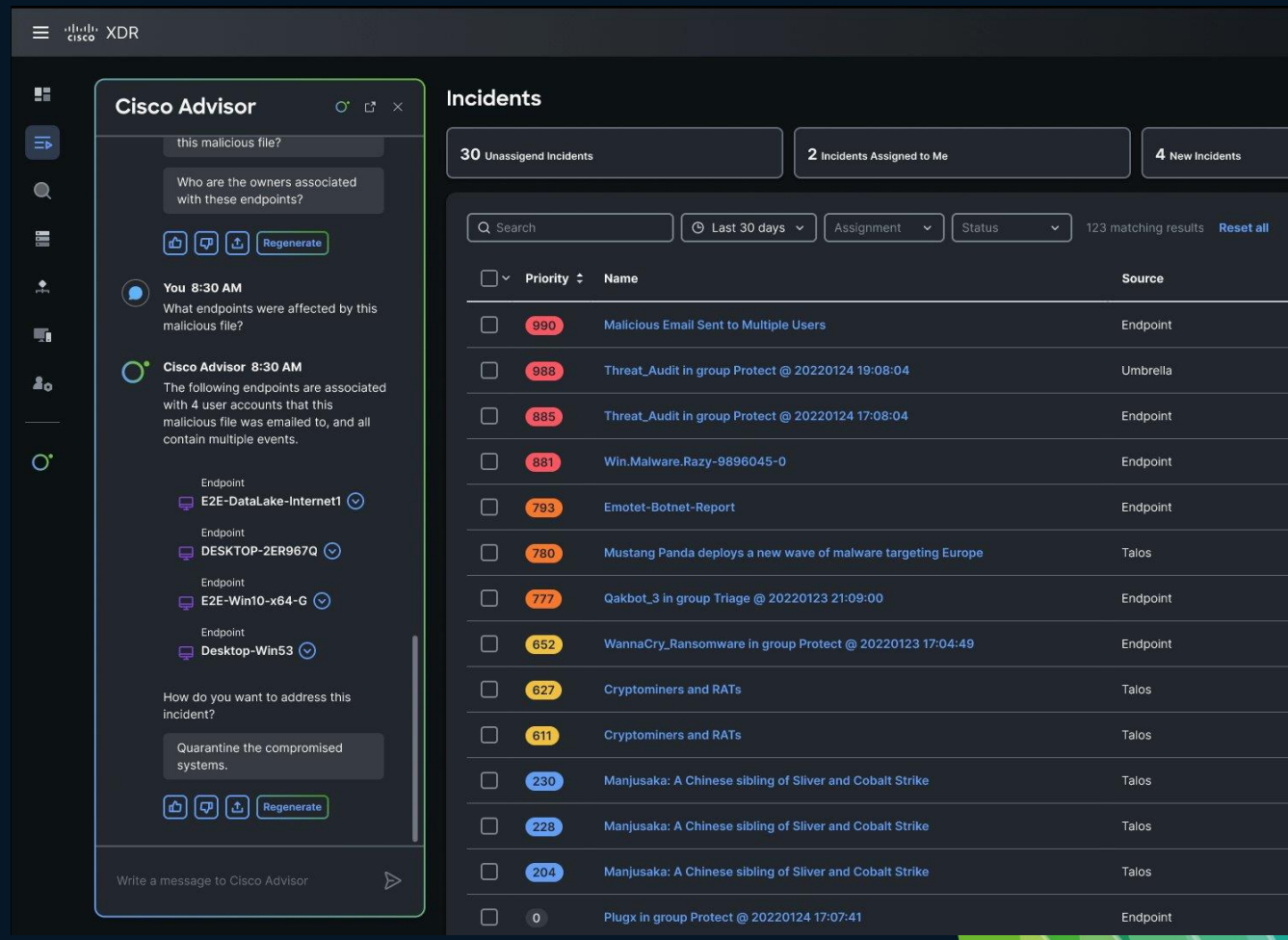
Incident Report



Security Advisory



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Cisco : Delivering SOCs' TDIR Elements

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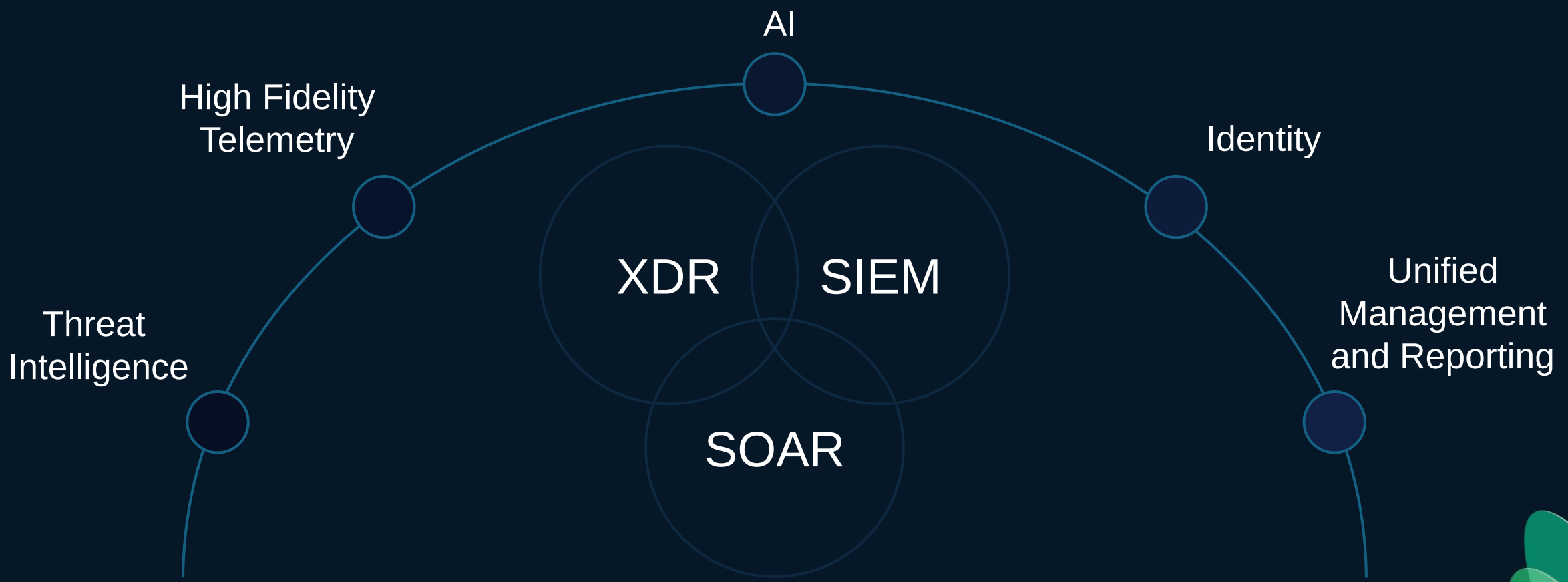

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Thank You!