# Let's go cisco live! #CiscoLive

#### Cisco Webex App

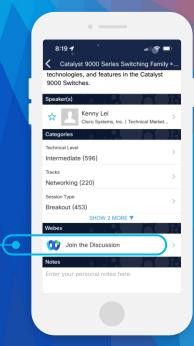
#### Questions?

Use Cisco Webex App to chat with the speaker after the session

#### How

- 1 Find this session in the Cisco Live Mobile App
- Click "Join the Discussion"
- 3 Install the Webex App or go directly to the Webex space
- 4 Enter messages/questions in the Webex space

Webex spaces will be moderated by the speaker until June 9, 2023.



https://ciscolive.ciscoevents.com/ciscolivebot/#PSOSEC-1007





## Cisco XDR

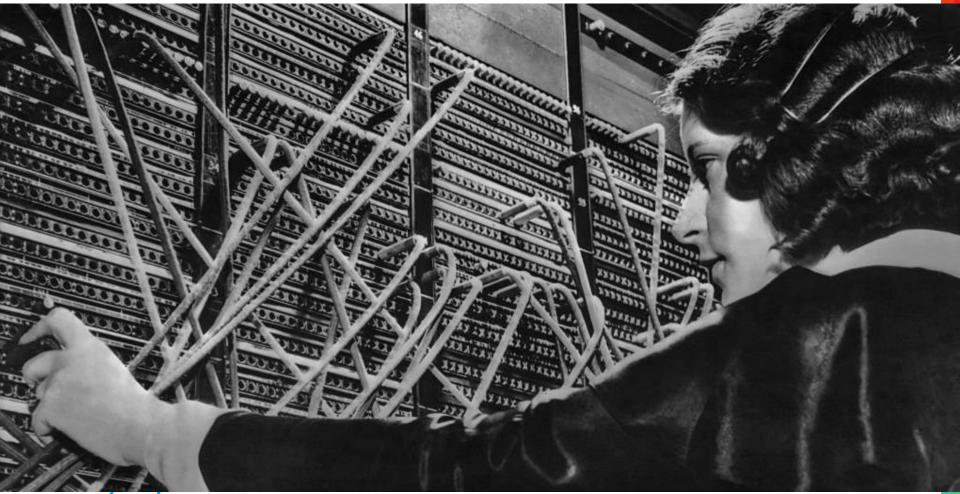
Simplify Your Security Operations

Sana Yousuf Product Marketing Leader

in.sana-yousuf-m/

Session ID PSOSEC-1007











#### In a hybrid, multi-vendor, multi-vector universe

Everyone is an insider

+30%

of all incidents involved stolen credentials or malicious insiders Attacks start from anywhere

45%

of breaches occurred in the cloud, and 19% due to a compromise at a business partner Alert fatigue is worse

37%

of IT and SecOps pros say swelling alert volume, complexity increases job difficulty Expanding attack surface

22%

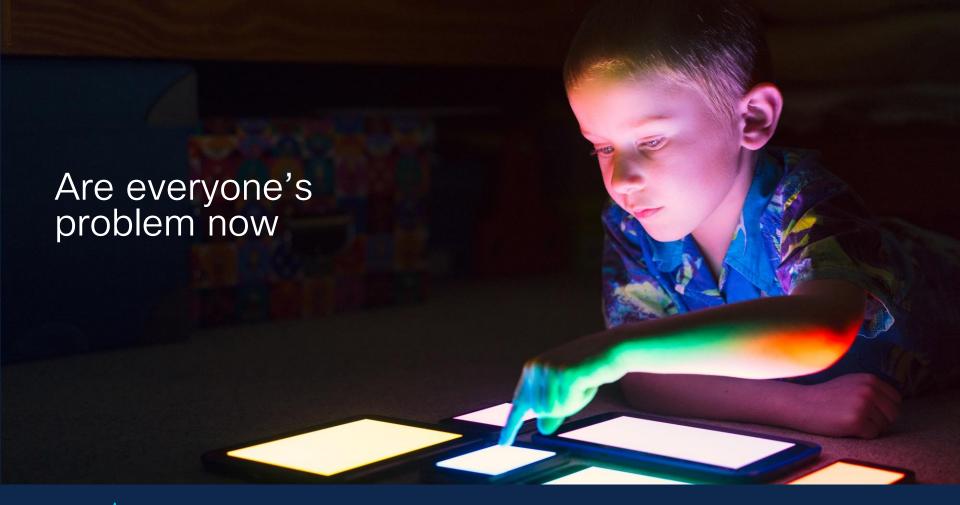
increase in the average cost of a data breach where hybrid work was a factor



Tactics, Techniques and Procedures (TTPs) impacting nation states







#### Once identifiable lures...

✓ bad grammar ✓ typos

Subject: "URGENT REPLY NEEDED" From: princeofnigeria@zmail.com To: majorie@hmail.com

To: majorie@hmail.com

DEAR FRIEND,

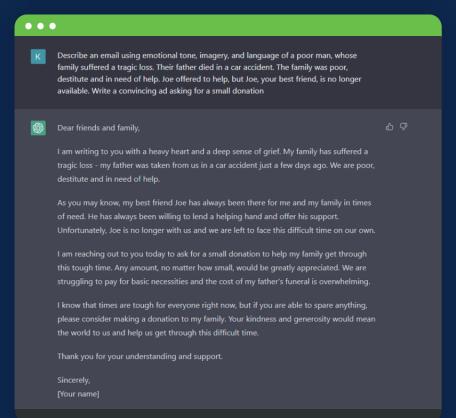
. . .

HAPPY NEW YEAR.

I KNOW THAT THIS MESSAGE WILL COME TO YOU AS A SURPRISE.

I AM THE NEXT HEIR TO THE THRONE IN NIGERIA, THE CROWN PRINCE, APARA KACHINPOPGORN. I HOPED THAT YOU WILL NOT EXPOSE OR BETRAY THIS TRUST AND CONFIDENT THAT I AM ABOUT TO REPOSE ON YOU FOR THE MUTUAL BENEFIT OF OUR FAMILIES.

...are now indistinguishable







# Only an effective XDR solution can adapt to the changing nature of the threat







Security tools need to focus on the attacker

Turn potential false positives into validated incidents

Focus on initial compromise, lateral movement, privilege escalation and data exfiltration



### The XDR promise



Collection of telemetry from multiple security tools



Application of analytics to the collected and homogenized data to arrive at a detection of maliciousness



Response and remediation of that maliciousness





# Adversary: Turla



// Nicknames
Snake
Venomous Bear
Uroburos
Group 88
Waterbug

#### The adversary: What do we know?

- Estonian intelligence services associate this group with the Russian federal security service (FSB).
- Does NOT deploy advanced tools unless necessary to compromise the target

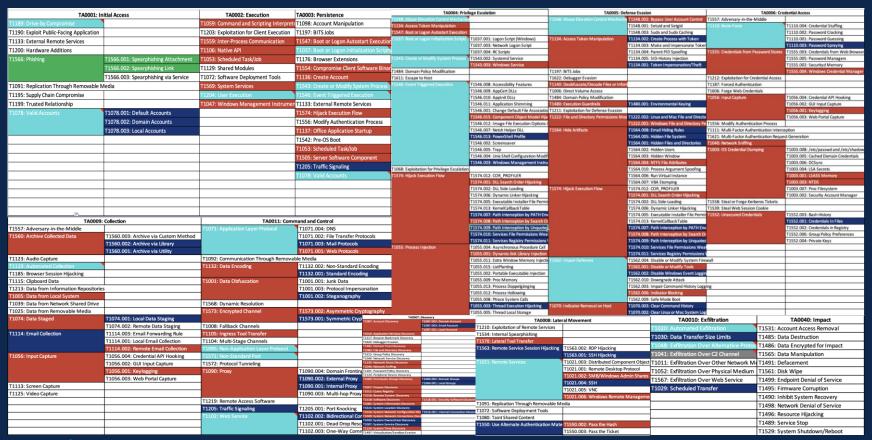
#### Method:

- Prefers watering holes and social engineering to manipulate victims
- Crafted lures are highly tailored to their targets
- Exploit themes related to current events
- First-stage malware typically acts as a filter





#### Without XDR, how can we detect and respond to all of this?





#### Telemetry data source importance

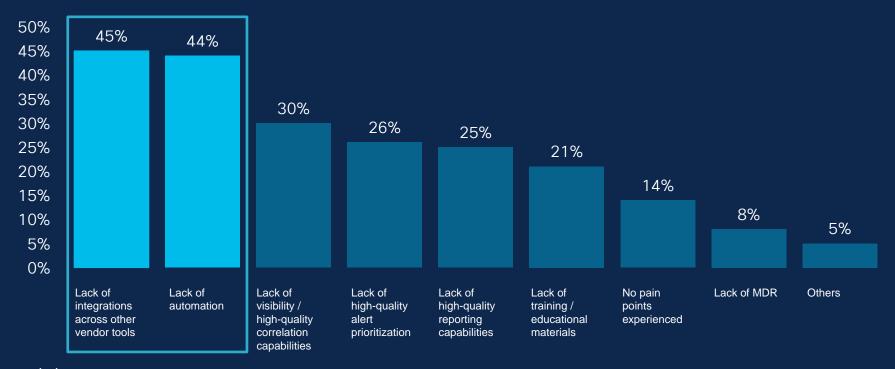
The top six data sources that customers believe are essential for an XDR are Endpoint, Network, Firewall, Identity, Email, and DNS

	Essential		
	Count	Share	
<b>≫</b> Endpoint	255	85.0%	
නි Network	226	75.3%	
Firewall	207	69.0%	
(A) Identity	191	63.7%	
<b>∜</b> Email	179	59.7%	
■ DNS	140	46.7%	
Public Cloud	137	45.7%	
Non-Security Sources	36	12.0%	



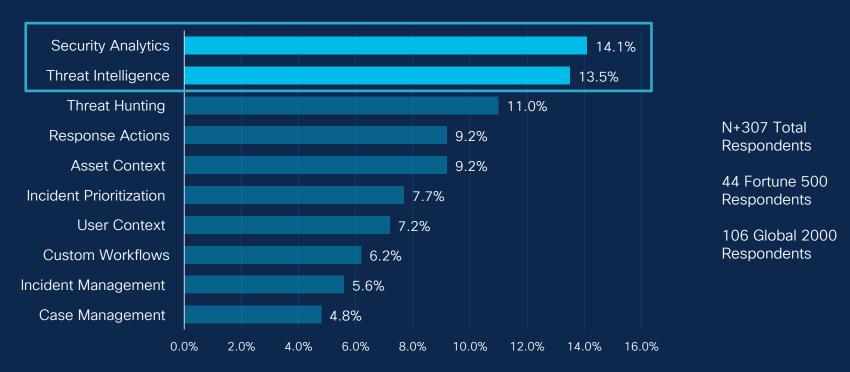


# Lack of integration and automation are the most widespread pain points for existing XDR solutions





#### Security Analytics and Threat Intelligence are the top two features by revealed preferences among the overall sample





#### Stop advanced threats like ransomware

Most attacks use a sequence like this...



A well-tailored and personalized email causes a user to click...

Which goes to a questionable web site...

Which leads to a strange process being created locally on the user's device...

That process will connect to another machine or directly to their data

T1055: Process Injection

T1566: Spear phishing

T1189: Drive-by Compromise

T1570: Lateral Tool Transfer

T1087: Account Discovery: Domain Account

T1048: System Network Connections Discovery

Vendor A Vendor C Vendor E Vendor G Vendor D



#### Anatomy of a real attack (Turla)

Most attacks use a sequence like this...



You need a solution that sees deeply across the entire attack chain





#### Simplify with Cisco XDR





#### The Cisco approach to XDR

Detect more, act faster, elevate productivity, build resilience

Detect /!\
the most
sophisticated
threats



Act on what **truly** matters, faster



# Elevate productivity



# Build resilience

- Multi-vector detection: network, cloud, endpoint, email, and more
- Enriched incidents with asset insights, threat intel
- Optimized for multi-vendor environments

- Prioritize threats by greatest material risk
- Unified context to streamline investigations
- Evidence-backed recommendations

- Focus on what matters and filter out the noise
- Boost limited resources for maximum value
- Automate tasks and focus on, strategic tasks

- Close security gaps
- Anticipate what's next through actionable intel
- Get stronger, everyday with continuous, quantifiable improvement



#### Shift the focus to outcomes

Detect sooner

Where are we most exposed to risk?

How good are we at detecting attacks early?

# Prioritize by impact

Are we prioritizing the attacks that represent the largest material impacts to our business?

# Speed up investigations

How quickly are we able to understand the full scope and entry vectors of attacks?

# Accelerate response

How fast can we confidently respond?

How much can SecOps automate?

Are we quantifiably getting better?



#### Delivering XDR to meet your where you are



**XDR** 



#### Network

Secure Network Analytics

Cisco networking

Third-party networking



#### │└┐ User/ □□ endpoint

Secure Endpoint

Secure Client

Email threat defense

Vulnerability management

Third-party endpoint



#### Cloud

Secure

Cloud Analytics

Umbrella

Public cloud logs



## Application & identity

Duo multi-factor authentication

Third-party identity

Services: Talos Incident Response | Managed detection & response

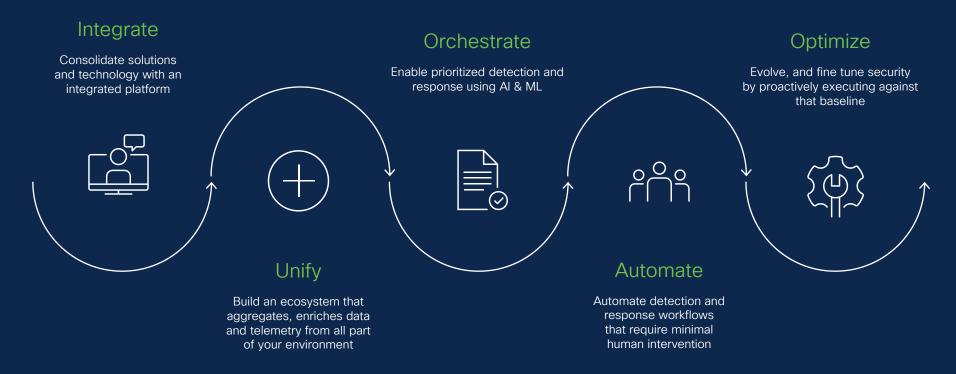


#### Leveraging the Cisco security cloud

Combining core capabilities including a frictionless experience, open and extensible ecosystem, and Al-driven automation



# Quickly position teams to achieve incremental XDR milestones





#### Easy to buy tiers for Cisco XDR

Cisco XDR Essentials

Full Featured XDR

Cisco XDR Advantage

Full Featured XDR

+Third-Party Telemetry

Cisco XDR Premier

Full Featured XDR

+Third-Party Telemetry

+Managed Services



# Take the Attack to the Attackers

Learn more at cisco.com/go/xdr

#### Come check out Cisco XDR

- 'The Brew Pub' at the 'World of Solution' (#2421)
- Security zone of the Cisco Showcase
- Sign up to meet an expert







# Discover how security services accelerate outcomes

CX delivers the outcomes that matter most, faster. We optimize for emerging security challenges, activate threat visibility, and provide rapid incident response.



Visit CX Security to learn more

#### How we can help

- Secure cloud
- Secure datacenter
- Zero Trust Networking
- DevSecOps
- Secure Range
- Security Reference Architecture

- SecureX Automation
- Secure Access Service Edge (SASE)
- Incident Response
- Learning
- Certifications

You don't have to do it alone.

For more insight, visit the Cisco CX Booth (#3310) in the World of Solutions for Lightning Talks and Demos



#### Fill out your session surveys!



Attendees who fill out a minimum of four session surveys and the overall event survey will get **Cisco Live-branded socks** (while supplies last)!



Attendees will also earn 100 points in the **Cisco Live Challenge** for every survey completed.



These points help you get on the leaderboard and increase your chances of winning daily and grand prizes



PSOSEC-1007

# Continue your education

- Visit the Cisco Showcase for related demos
- Book your one-on-one Meet the Engineer meeting
- Attend the interactive education with DevNet, Capture the Flag, and Walk-in Labs
- Visit the On-Demand Library for more sessions at www.CiscoLive.com/on-demand



# Thank you



# Cisco Live Challenge

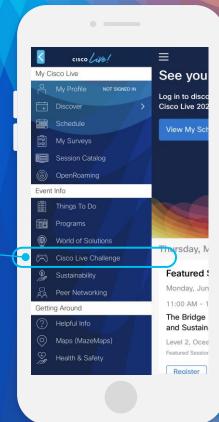
Gamify your Cisco Live experience! Get points for attending this session!

#### How:

- Open the Cisco Events App.
- 2 Click on 'Cisco Live Challenge' in the side menu.
- 3 Click on View Your Badges at the top.
- 4 Click the + at the bottom of the screen and scan the QR code:







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