



Sophos MTR

Threat Notification Isn't the Solution It's a Starting Point

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Sophos System Engineer

SOPHOS

Introduction

Grzegorz Nocon

Sophos System Engineer

- Expertise:
 - 13 years IT Security experience
 - Endpoint Security
 - Network Security
 - Mobile Security

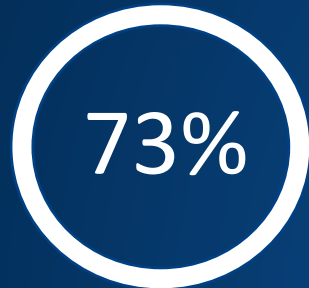
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The State of Ransomware 2020



5,000 IT managers of companies between 100 and 5,000 users were surveyed worldwide



Cybercriminals succeeded in encrypting data



stopped the attack before encryption



Data not encrypted but victim still held to ransom



Cost of ransom



29%

File Download per Email Link



21%

Remote Attack on servers



16%

Email attachment



9%

Suppliers



9%

Misconfigured Public Cloud Resource



9%

Remote Desktop Protocol

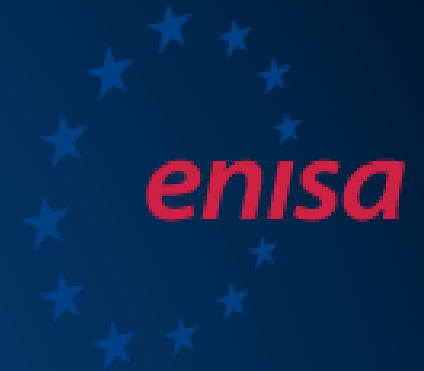


7%

Removable

ENISA Threat Landscape Report 2020

European Union Agency for Cybersecurity:



- Attack surface in cybersecurity continues to expand as we are entering a new phase of the digital transformation.
- There will be a new social and economic norm after the COVID-19 pandemic even more dependent on a secure and reliable cyberspace.
- Ransomware remains widespread with costly consequences to many organisations.
- Still many cybersecurity incidents go unnoticed or take a long time to be detected.

Top Threats 2019-2020		Assessed Trends	Change in Ranking
1	Malware 2	—	—
2	Web-based Attacks 2	—	↗
3	Phishing 2	↗	↗
4	Web application attacks 2	—	↘
5	Spam 2	↘	↗
6	Denial of service 2	↘	↘
7	Identity theft 2	↗	↗
8	Data breaches 2	—	—
9	Insider threat 2	↗	—
10	Botnets 2	↘	↘
11	Physical manipulation, damage, theft and loss 2	—	↘
12	Information leakage 2	↗	↘
13	Ransomware 2	↗	↗
14	Cyberespionage 2	↘	↗
15	Cryptojacking 2	↘	↘

Legend: Trends: ↘ Declining, — Stable, ↗ Increasing Ranking: ↗ Going up, — Same, ↘ Going down

World Economic Forum – Global Risks Report '20



The Global Risks Report 2020
15th Edition



The World's Best
Endpoint Protection



EDR for Security Analysts
and IT Administrators



Managed Detection &
Response

Protection

Detection and Response

Do it yourself?

Product only

EDR

Done for you?

+ Service

MTR

During an incident?

+ Service

RR
Rapid Response

INTERCEPT

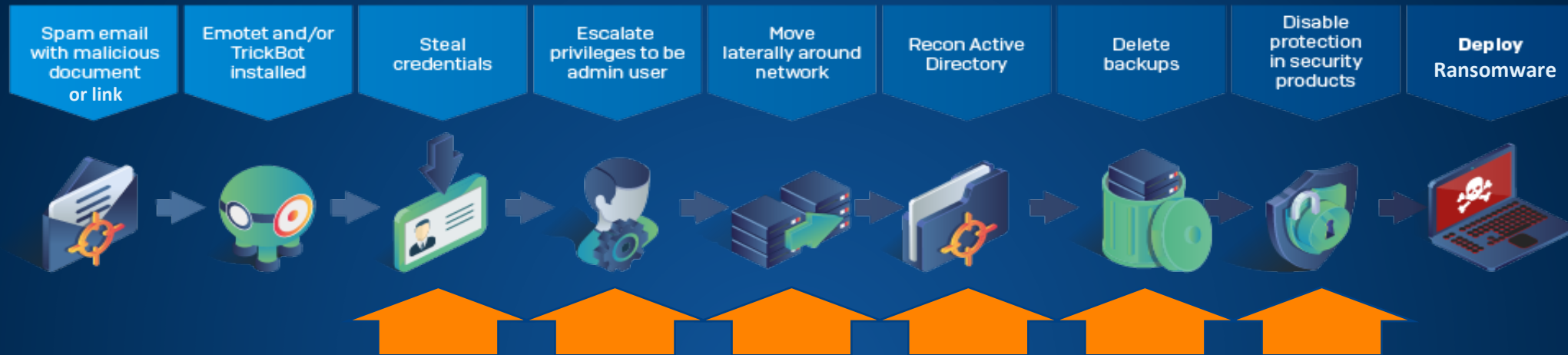


“Gartner clients with successful SOC's put the premium on people rather than process and technology. People and process overshadow technology as predictors for SOC success or failure.”

— Gartner, “How to Plan, Design, Operate and Evolve a SOC” (September 2018)

Gartner, How to Plan, Design, Operate and Evolve a SOC, Anton Chuvakin, Augusto Barros, Anna Belak, 6 September 2018.

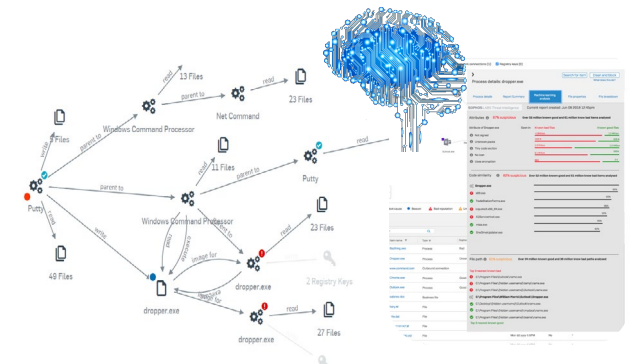
Block Big Game Hunting with Intercept X and EDR



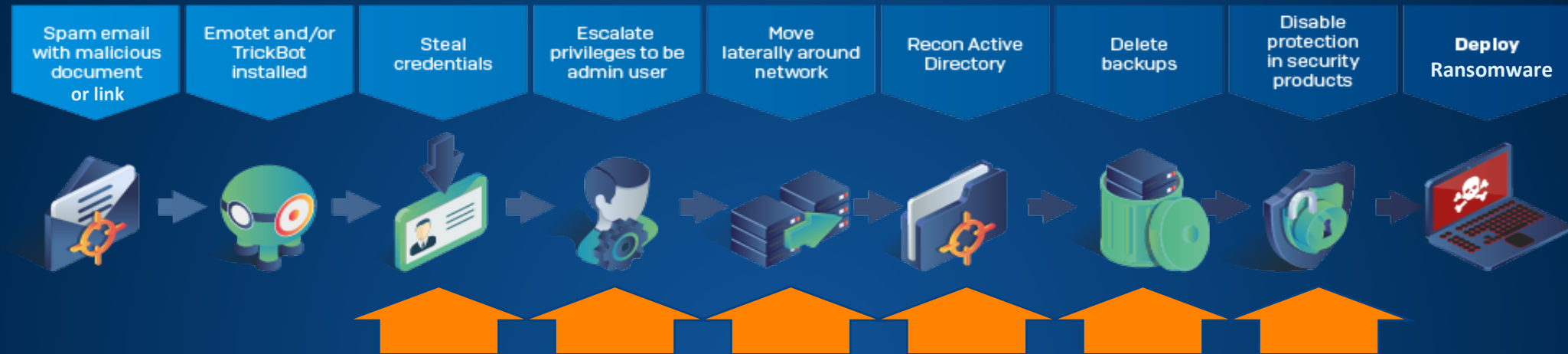
Deploy protections against active attacks



- Deploy **EDR**
- Put active monitoring and response in place (**SOC**)



Block **Big Game Hunting** with **MDR / MTR** service



8 out of 10



experience difficulties in hiring and retaining experts

Not to mention week-end...



...and night shifts!



Evaluating MDR providers

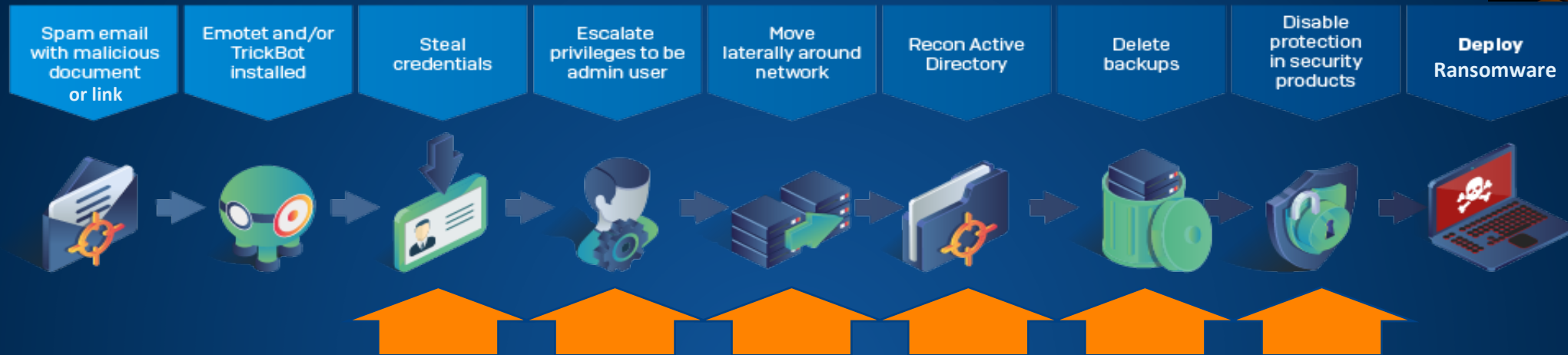
...

how to start?

Evaluating MDR providers, 12 questions to ask:

1. How many customers does the MDR service have?
2. What is the scope of the service? Is threat response included?
3. Is the service 24/7/365? If an issue arises at 2AM on a Sunday, who will respond?
4. Which technologies does the service utilize? Are they included in the price?
5. Is the service being provided proactive or reactive?
6. How will you interact with the MDR team?
7. What is the security operations threat detection and response (TDR) methodology?
8. How fast is the service?
9. What types of remediation actions can the MDR operators take? Can they take active response for you?
10. Is threat hunting lead-driven (responding to alerts), lead-less (looking for new indicators of attack without alerts), or both?
11. What data sources are used to provide visibility? Is the service just “managed EDR”?
12. Does the MDR provider have access to threat intelligence and threat researchers?

Block **Big Game Hunting** with Sophos **MTR** service



8 out of 10



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Sophos Managed Threat Response

Take Action Against Threats With a 24/7 Team of Threat Responders Response Experts who:



Proactively hunt for and validate potential threats and incidents



Use all available information to determine the scope and severity of threats



Apply the appropriate business context for valid threats



Initiate actions to remotely disrupt, contain, and neutralize threats



Provide actionable advice for addressing the root cause of recurring incidents



High-Fidelity Detections

Going beyond traditional detections, we combine deterministic and machine learning models to spot suspicious behaviors and the tactics, techniques and procedures used by the most advanced adversaries.

Proactive Defense

Combining threat intelligence with newly-discovered Indicators of Compromise (IoC) and Indicators of Attack (IoA) that are identified through analyst-led threat hunts, Intercept X proactively protects customer environments.

Transparency and Control

You own the decisions and control how and when potential incidents are escalated, what response actions (if any) you want us to take, and who should be included in communications.



Overall Protection Rating

Yellow

See Health Check recommendations for steps to enhance your posture



1280

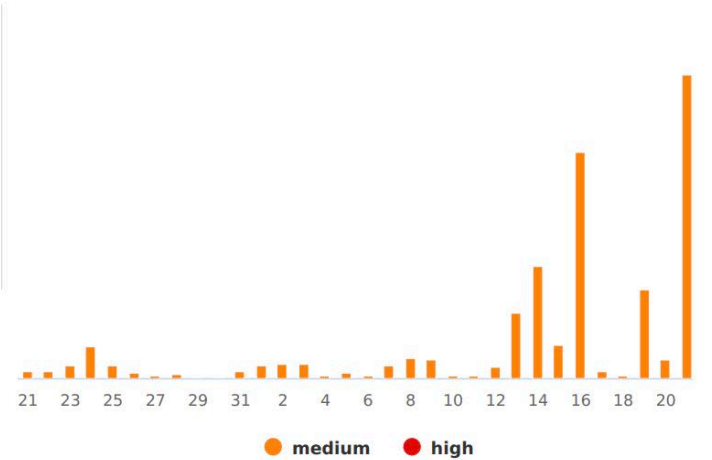
Protected With MTR

0 MTR Not Deployed

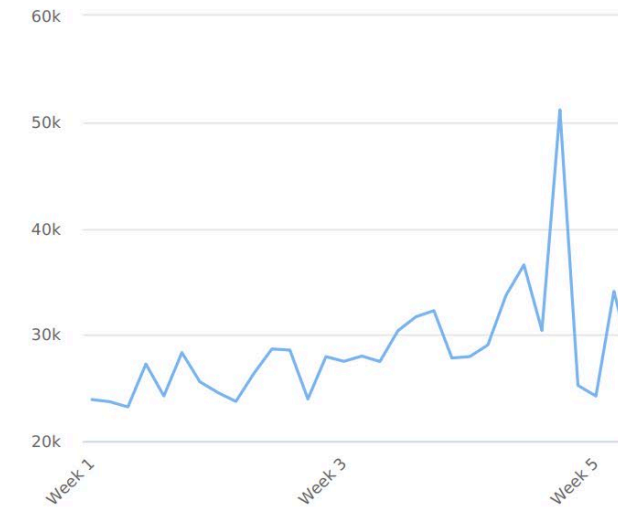
57809 After Hour Detections

(Medium and High Severity)

Download



Monthly Detections



919177 Detections

Technology-generated threat indicators.

4 Cases

Detections requiring an analyst investigation.

0 Escalations

Cases requiring customer input or action.

0 Incidents

Known malicious activity that requires response actions.

Initial Access

0 -

Execution

1 -

Persistence

1 -

Privilege Escalation

0 -

Defense Evasion

0 -

Credential Access

0 -

Discovery

0 -

Lateral Movement

1 -

Collection

0 -

Command & Control

0 -

Exfiltration

1 -

Impact

0 -

MTR Standard or Advanced?

Sophos MTR
Advanced

Sophos MTR
Standard

- 24/7 index-based threat search
 - Attacker Identifier
 - Security Health Check
 - Activity reports
-
- 24/7 non-index based Threat search
 - Dedicated contact person
 - Direct phone support
 - Optimized telemetry data
 - Proactively improve security status
 - Asset detection

Sophos Rapid Response

Every Second Counts During an Attack

Lightning-fast assistance with
active threats, delivered by an
expert team of incident
responders globally



SOPHOS

Towards to the summary - Key Differentiators

- We don't just monitor and notify—we take action
- Better, more proactive protection
- More effective automated response
- More focused human response
- Robust threat hunting
- More control of how our team works with customers

SOPHOS
Cybersecurity evolved.