Check Point Infinity SOC Webinar
14. & 19. Januar 2021

Check Point SOFTWARE TECHNOLOGIES LTD | CHECK POINT INFINITY SOC

INFINITY SOC

ACHIEVING SOC CERTAINTY

Stéphane Badan | Security Engineer

OUR STORY BEGINS
WITH A EUROPEN BANK

5,000
Employees

€1.1B
Revenues

2 SECURITY OPERATION MANAGERS
SOC WORKING HOURS: 8:00- 17:00

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AND YET, ONE DAY……

23
FEBRUARY
2020

- Ryuk ransomware outbreak
- 500 critical systems are down
- 3 branches are completely paralyzed

EMERGENCY CALL

INCIDENT RESPONSE TEAM
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HOW DID THIS HAPPEN?

THE ANATOMY OF THE ATTACK

INCIDENT RESPONSE TEAM
CHECK POINT

Spear-phishing email leads to **Trickbot Trojan** Infection

Trickbot lateral movement infects 500 hosts

Threat actor uses **Trickbot** to deploy **Ryuk ransomware**

Oct 2019 | Nov 2019 | Dec 2019 | Jan 2020 | Feb 2020

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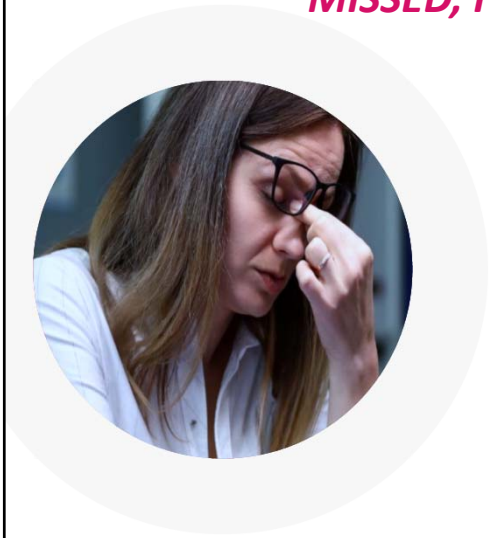
"THINKING ABOUT WHAT WE'VE PROBABLY MISSED, HAS KEPT US UP AT NIGHT"



"Too many false positives leading to time-consuming investigation"

"Thousands of new alerts everyday create a never-ending backlog"

"Piecing together information from multiple monitoring tools is a nightmare"

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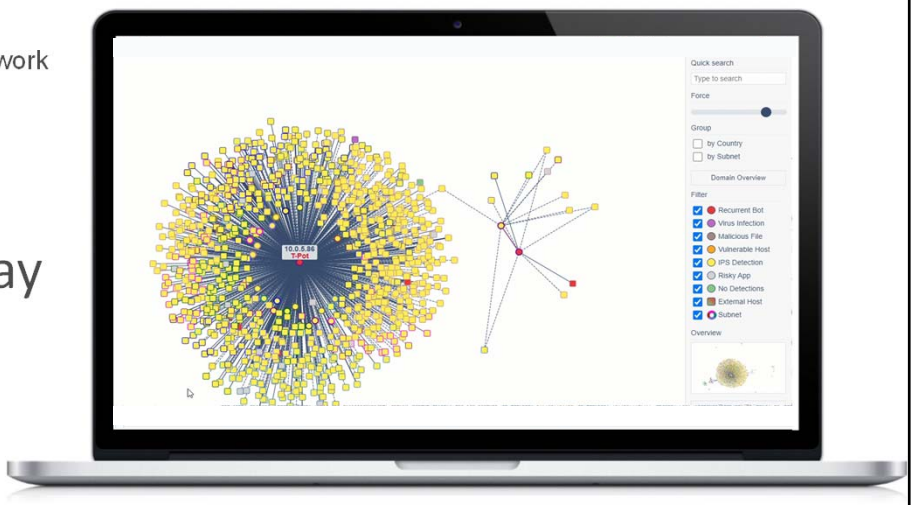
SOC DAILY ROUTINE:
FINDING A NEEDLE IN A HAYSTACK

Typical medium sized network
2,000 Users

10 Million
logs every day



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YOU DESERVE
CERTAINTY

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ACHIEVING SOC CERTAINTY

99.9 % PRECISION

Expose and shutdown only real attacks, inside and outside the organization.

RAPID INVESTIGATION

With the industry's most powerful threat intelligence.

ZERO FRICTION

No deployment, integration and privacy pains.

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PRECISION
FROM MILLIONS OF LOGS TO ONLY REAL ALERTS

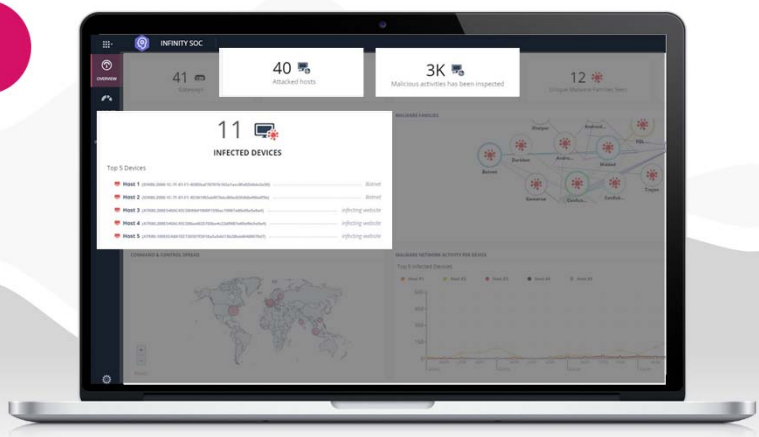
IN AN AVERAGE WEEK:

59,000,000
logs across endpoint, network, cloud, mobile and IoT

3,000
Malicious activities

40
Targeted assets

11
Infected assets



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PRIORITIZATION
RESPOND INTELLIGENTLY BASED ON SEVERITY AND PROBABILITY

AUTOMATED TRIAGE

99% TRICKBOT MALWARE
99% — Host #1 — 6:58, 6/20/2020
Host 1 might be infected with Trickbot (High probability)

99% ADWARE
99% — Host #2 — 6:58, 6/20/2020
Host 2 might be infected with Adware (High probability)

30% EXTERNAL THREAT
30% — Lookalike URL — 13:42, 6/8/2020
Lookalike URL impersonating your website (Low probability)

10% MOBILE THREAT
10% — Mobile Device — 6:57, 6/8/2020
Mobile Device might be infected with Trojan Horse (Low probability)

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RESPONSE
MINIMIZE ATTACK IMPACT WITH A SINGLE-CLICK REMEDIATION

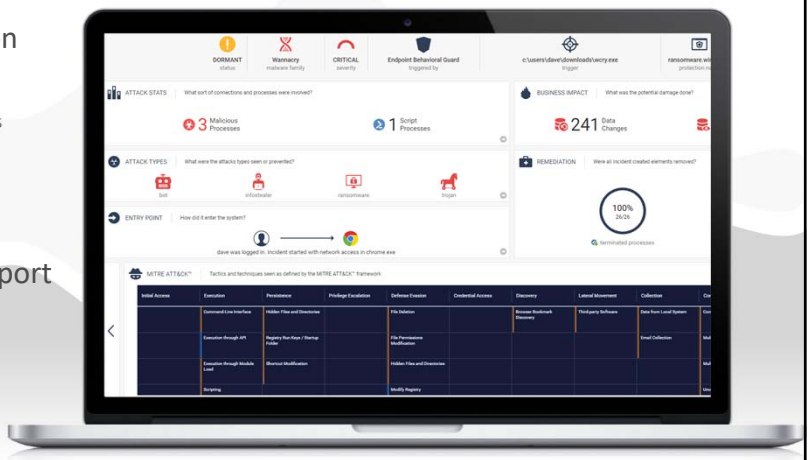
1 Install lightweight client on infected host

Identify and kill all malicious processes

Block C&C communications

Delete all installed malicious files

2 Get a detailed Forensic report with actionable insights



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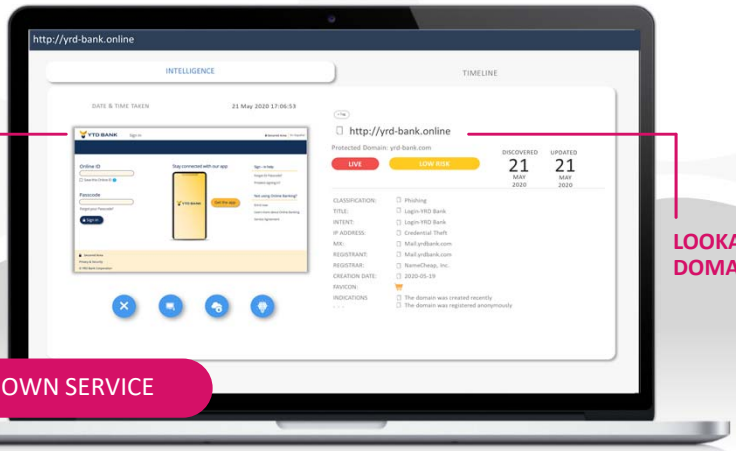
EXTERNAL THREAT
PREVENT PHISHING CAMPAIGNS AGAINST YOUR CUSTOMERS AND EMPLOYEES

DETECTS 3X MORE THREATS THAN THE COMPETITION
WITH VISIBILITY INTO
REAL-TIME INTERNET TRAFFIC



IMPERSONATION
TO YOUR CORPORATE
WEBSITE/EMAIL DOMAIN

LOOKALIKE DOMAIN

TAKEDOWN SERVICE

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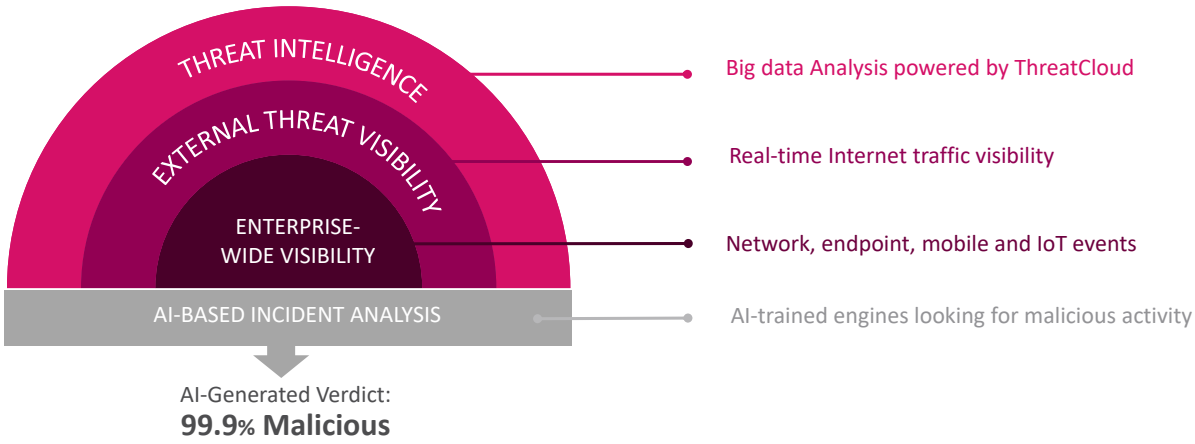
TRUE XDR:
EXPOSE THE STEALTHIEST ATTACKS WITH 99.9% PRECISIONS



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cp<r>
CHECK POINT RESEARCH

DEVELOPED BY THE CHECK POINT RESEARCH TEAM

USED DAILY TO EXPOSE AND INVESTIGATE THE WORLD'S MOST DANGEROUS AND SOPHISTICATED CYBER-ATTACKS

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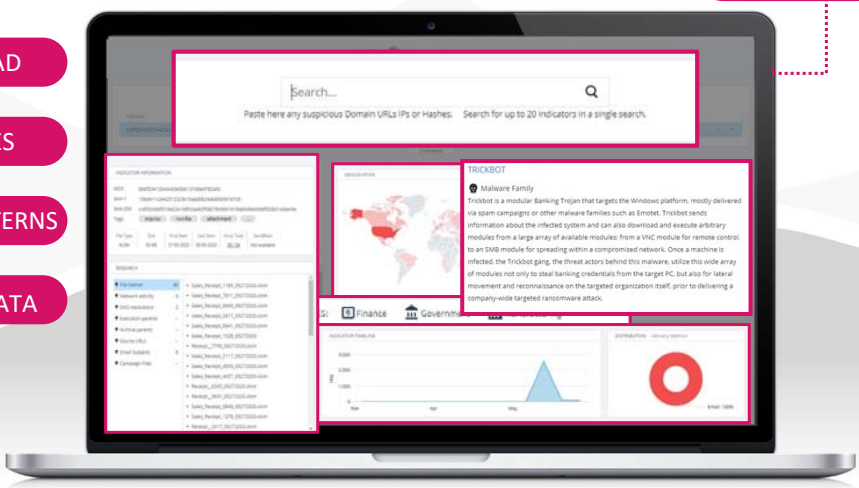
'GOOGLE SEARCH' ANY IOC FROM A CENTRALIZED PORTAL

GET EXCLUSIVE AND HIGHLY PROCESSED INTELLIGENCE

THREATCLOUD

- GEOGRAPHICAL SPREAD
- TARGETED INDUSTRIES
- ATTACK TIMELINE & PATTERNS
- EXCLUSIVE RESEARCH DATA

AND MORE...



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OBTAIN EXCLUSIVE INTELLIGENCE
TO DEEPEN INVESTIGATIONS

INDICATOR

COMM

NETW

CA

THE INDUSTRY'S FIRST
SOCIAL MEDI

CRK
@ch3tanK
Dissecting the 10k Lines of the new TrickBot Dropper – Yoroi Blog

Dissecting the 10k Lines of the new TrickBot Dropper

Introduction

AND MANY MORE…

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QUICKLY DETERMINE WHETHER A SUSPICIOUS FILE IS MALICIOUS
WITH SANDBLAST'S THREAT EMULATION SERVICE

- Malware family
- Geos targeted
- MITRE ATT&CK techniques
- Emulation videos
- Dropped files
- C2 URLs
- And More!

CHECK POINT NSS RECOMMENDED

INDUSTRY'S BEST CATCH RATE
2019 NSS LABS BPS

Threat Details Report

Urgent PO Septemer.pdf.exe

MALWARE FAMILY

Trickbot

Similarity Analysis

MITRE ATT&CK

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FUELED BY THE WORLD'S MOST POWERFUL THREAT INTELLIGENCE

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EXTRENAL FEEDS

AI ENRICHMENT

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CHECK POINT RESEARCH

THREATCLOUD

PREDICTIVE INTELLIGENCE

100's OF MILLIONS OF:

DEVICES | CLOUDS | GATEWAYS

The Power of ThreatCloud	2,000 Zero-Day Files Detected Daily	150,000 Connected Networks	13 Million Files Emulated Daily	3 Billion Websites & Files Handled Daily

DEMO

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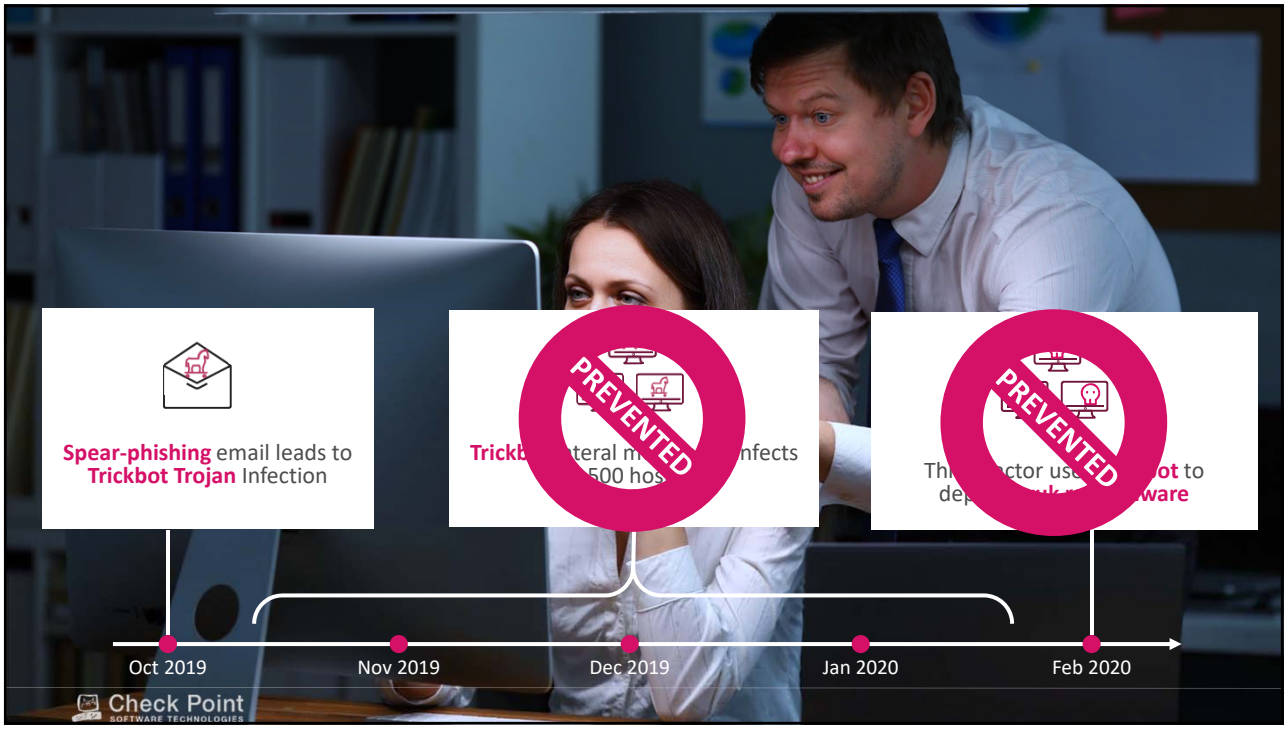

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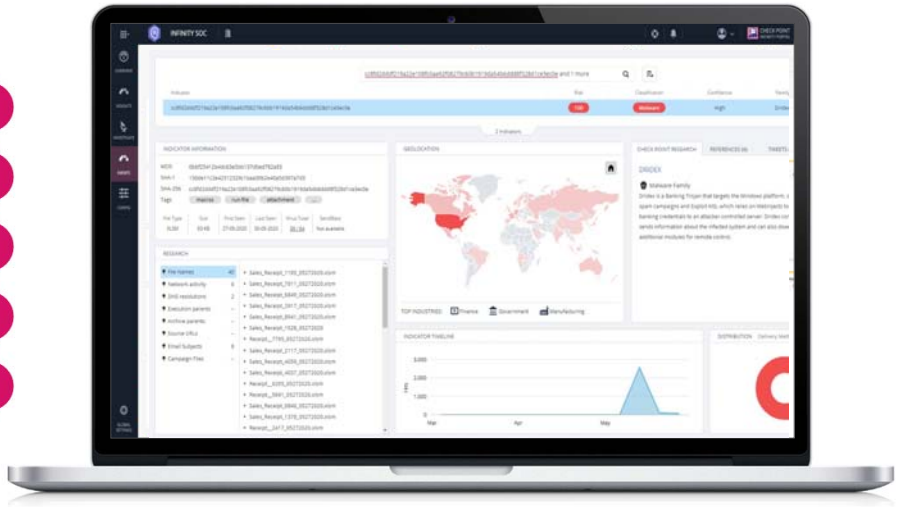
REDUCE TCO AND AVOID COMPLEXITIES
WITH A SINGLE, CENTRALLY MANAGED SOC PLATFORM

- INETRNAL TREATS
- EXTERNAL THREATS
- REMEDIATION
- INVESTIGATION
- MANAGMENT



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GET STARTED IN LESS THAN 3 MINUTES
A NON-INTRUSIVE IMPLEMENTATION
NO NEED TO DEPLOY ADDITIONAL ENDPOINT AGENTS

01 Sign up to Infinity Portal

02 Select your gateways (for existing customers)

03 Connect to ThreatCloud

04 Get Started

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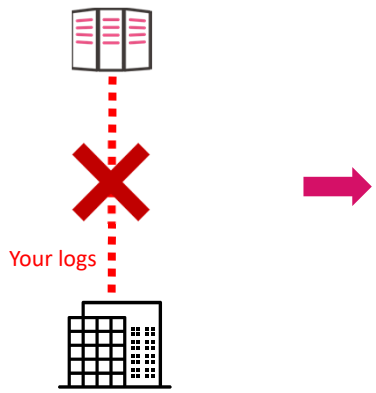
AVOID PRIVACY ISSUES AND HIGH COSTS
YOUR LOGS ARE NOT EXPORTED OR STORED



Protect privacy and maintain compliance

Avoid costly log storage

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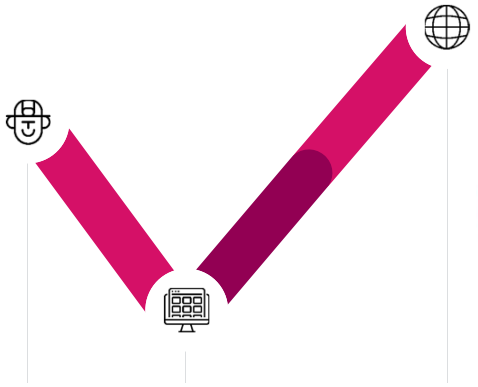
READY FOR THE NEXT STEP?



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Q&A

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ACHIEVING SOC CERTAINTY

THANK YOU

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