



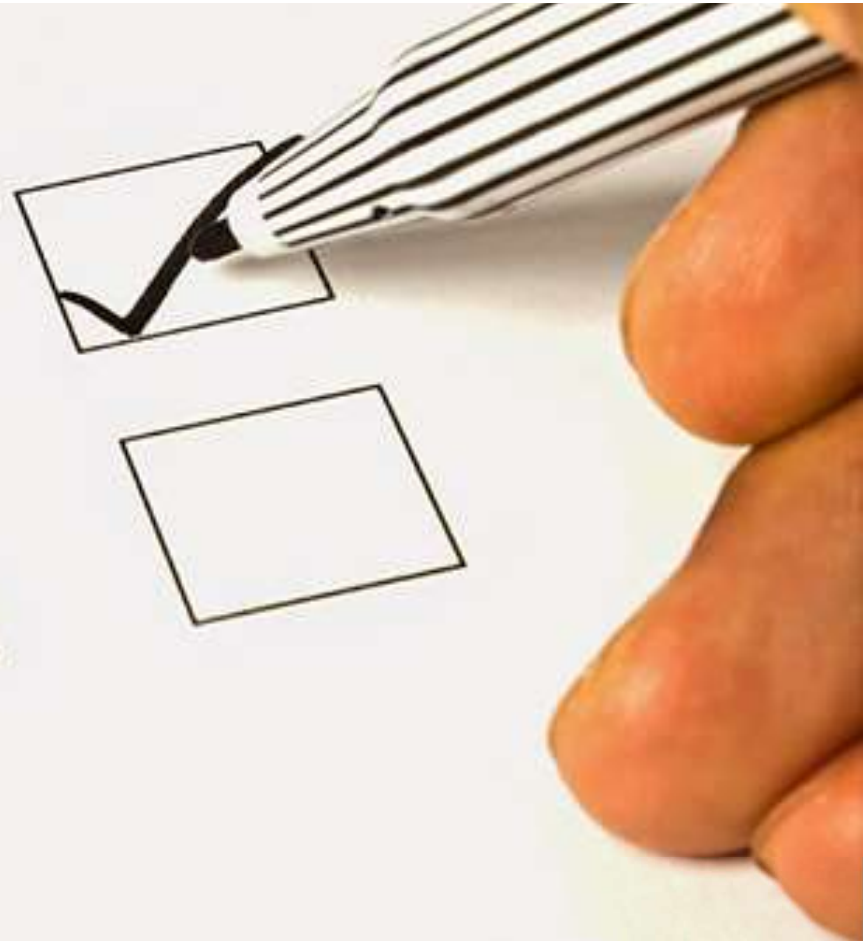
Security Operation Center



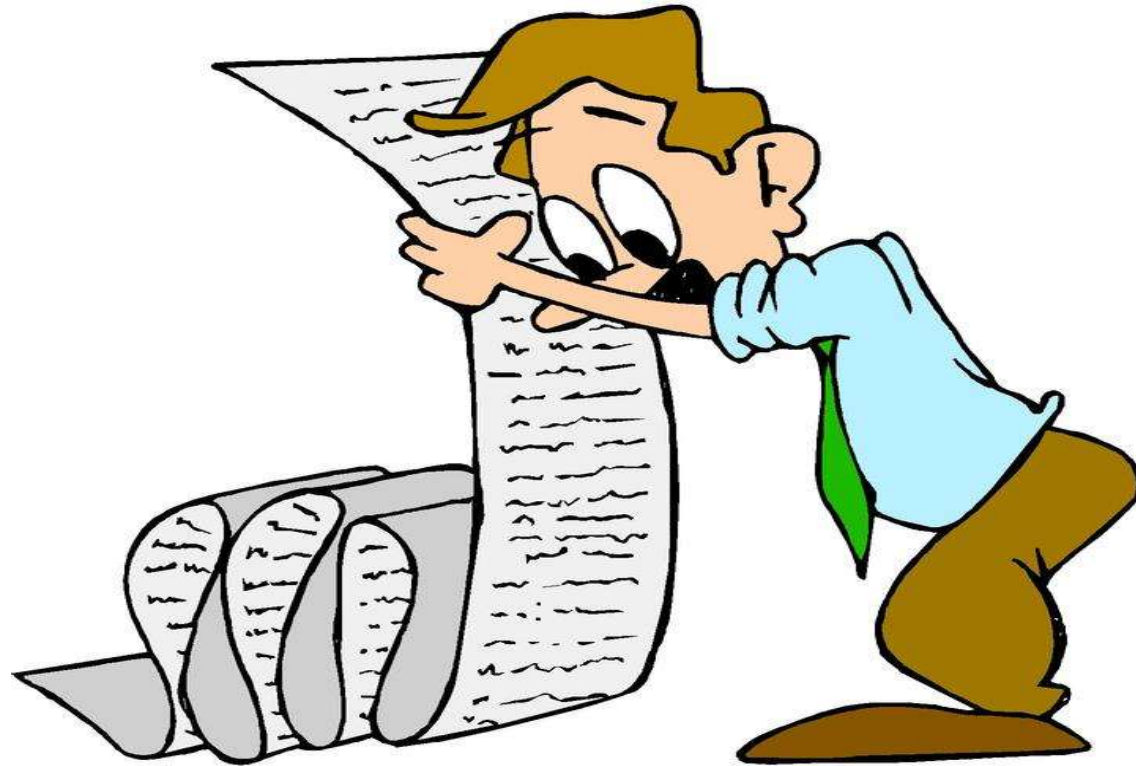
- **In 2014 Cambridge Analytica harvested personal data from 50M Facebook accounts without authorization**
- **Data were used to profile US voters and lead to Trump victory**
- **In March 2018 the story is uncovered**
 - **Facebook share down 7.5% in one day**
 - **>18% in one week**
 - **#deletefacebook movement**

Proactive

Reactive



Security is becoming a big data problem



Who monitors Cybersecurity technologies and how?



SECURITY INTELLIGENCE

The T-Sec Radar shows cyber attacks happening worldwide on our and our partners' honeypot infrastructure.

1064

attacks during the last minute

100097 attacks in 1 h

2810712 attacks in 24 h



Our SOC

- PART OF A NETWORK OF DEUTSCHE TELEKOM GROUP SECURITY OPERATION CENTERS IN EUROPE
- DEUTSCHE TELEKOM'S HONEYPOT PROJECT
- NATIONAL CRITICAL INFRASTRUCTURE
- THIRD PARTY (e.g. IBM)

LIVE TICKER

DATE	SOURCE	TARGET	ATTACK TYPE	PARAMETER
20:46:38	PIR	US	Network	ATTACK ON PORT 445 (DIONAEA)
20:46:34	VE	PIR	Network(Dionaea)	Attack on port 445
20:46:33	RU	FR	SSH/console(cowrie)	Username: "Administrator" Password: "admin" Status: ...
20:46:32	VN	FR	SSH/console(cowrie)	Username: "guest" Password: "guest" Status: Fail

TOP ATTACKER 2017-11

COUNTRY	ATTACKS
RU	15526027
US	6833786
PIR	5681646





OTE GROUP SECURITY OPERATION CENTER

We monitor

more than
5.000
devices

Producing

30.000
EPS
Any given
time

Handling

37
Incidents
On a daily
basis

We inspect

400Gbps
of traffic

Peaks
exceed
700
Gbps



Security Monitoring Incident Timeline

DURING

- Detect, alert and escalate according to incident severity
- Mitigation and remediation suggestions
- Incident response co-ordination

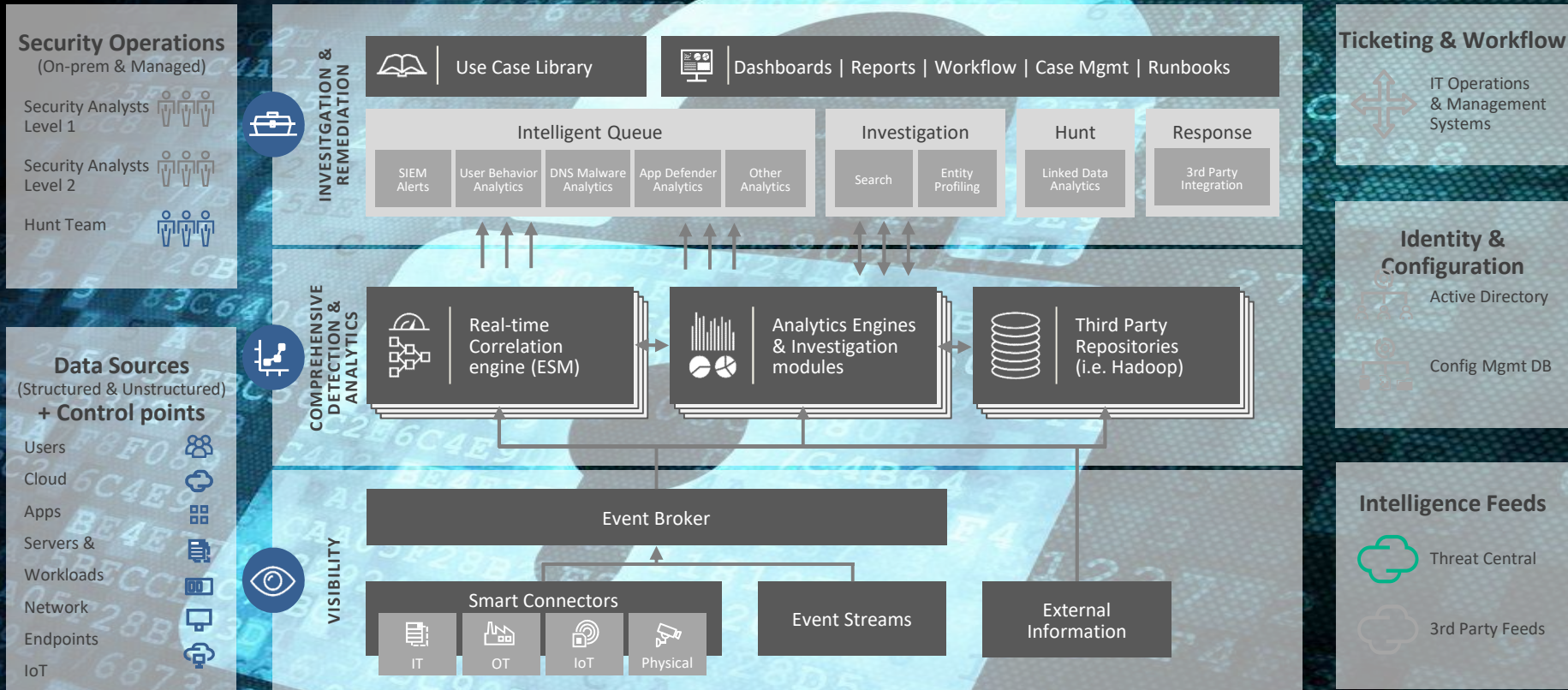
BEFORE

- Monitor and Prevent
- Provide intelligence

AFTER

- Incident Response
- Forensic investigation

Service Architecture





OTE MANAGED SECURITY SERVICES

Infrastructure

SOC based in Greece
State of the art technology

People

100% Greek-speaking team of certified Security Analysts
Unparalleled expertise

Processes

All services are governed by strict SLAs
ISO 27001 certified SOC

Intelligence

Focused insight on attacks
Part of global DT SOC network

Thank you

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ΟΜΙΛΟΣ ΕΤΑΙΡΕΙΩΝ