



Expect the Unexpected

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THE UNEXPECTED



Source: @MatiasKatz

WE'VE GOT NEXT-GEN THREAT DEFENCE!

THREAT ACTORS



TECHNOLOGY DISRUPTION

How digital disruption will impact cybersecurity

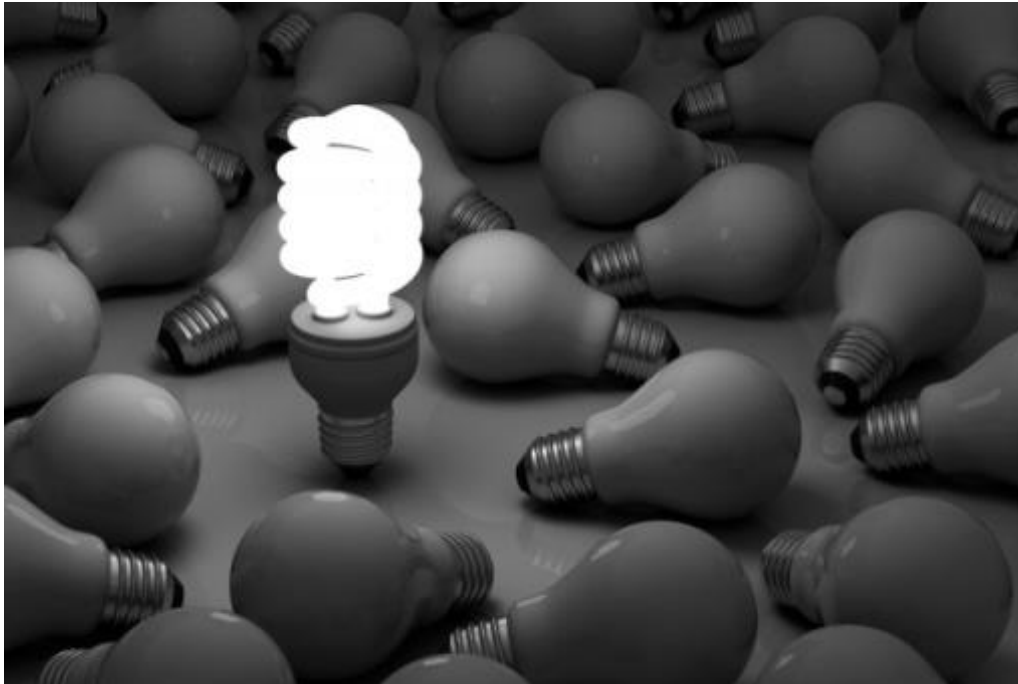
WHAT'S ONE THING IN COMMON HERE?



DISRUPTED!



EXPECT TECHNOLOGY DISRUPTION



*“Digital disruption,
when properly
understood, should
terrify you.”*

James McQuivey

Author of “Digital Disruption:
Unleashing the Next Wave of Innovation”



DISRUPTION #1: CLOUD COMPUTING



Cloud computing has disrupted every industry it has touched.

Enable more disruptive technologies to come.

Hackers will find and attack weaknesses in the building blocks and joints of cloud computing.

DISRUPTION #2: MOBILE



Empowering Wearable Technologies, Location Sensing and Internet of Things (IoT) today.

Cybercriminals can strike their targets from anywhere.

More entry points for them to infiltrate an unsecured system or network.



DISRUPTION #3: BIG DATA



Organisations will use Big Data to satisfy their customers better.

Hackers will also use Big Data to exploit their victims better.

DISRUPTION #4: SOCIAL MEDIA



Social media helps reach people easier and quicker.

Cybercriminals want to reach you similarly too.

DISRUPTION #5: INTERNET OF THINGS



25 billion connected things by 2020 – Gartner

IoT could be the “Network of all networks” in the future.

Immature and experimental now.

Anything and everything that connects with the Internet can be hacked.



UP AND COMING ...



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THE FUTURE OF CYBER THREATS

THE FUTURE OF CYBER THREATS



Disruptive technologies will produce large, complex and intelligent hyper-connected networks.

Cybercriminals will follow technology disruption closely to develop and launch attacks in unexpected ways.

THE FUTURE OF CYBER THREATS



Cloud-powered Botnets and DDoS Attacks	Electronic Attacks on Critical Infrastructure	Micro-Criminality	Bio-hacks for Multi-factor Authentication
Cyber-enabled Violence	Malware for Humans	Cyber Gang Wars	High Impact, Targeted Identity Theft and Avatar Hijack
Sophisticated Reputation Manipulation	Misuse of Augmented Reality	Abuse of Unmanned Vehicles and Smart Machines	Hacks against Internet of Things with Direct Physical Impact

Source: Project 2020 by ICSPA, Europol and Trend Micro



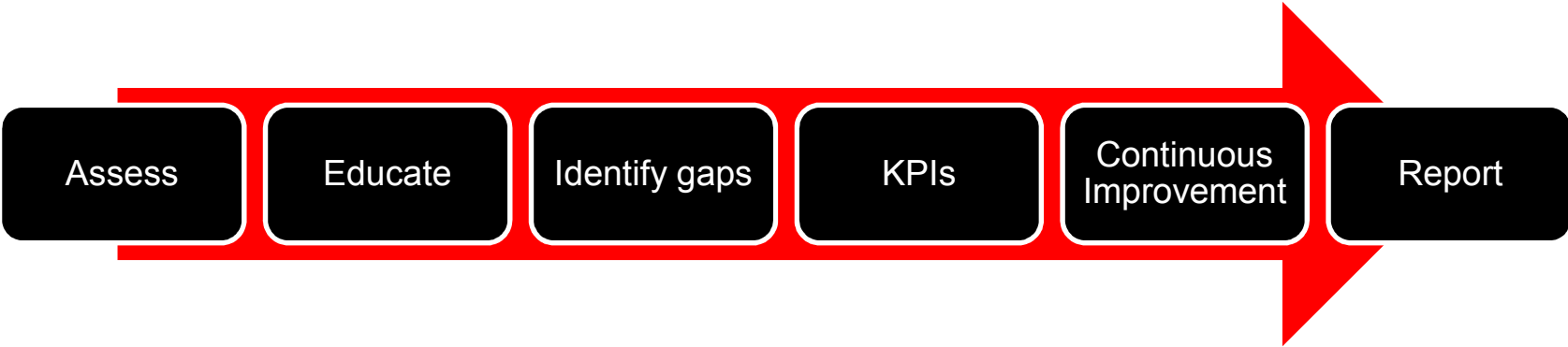
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HOW CYBERSECURITY CAN PREVAIL

DEFENDING AGAINST THE UNEXPECTED

BASIC	INTERMEDIATE	ADVANCED
Endpoint Security Network Segmentation Firewall & IPS Web Security	Application Security Two-Factor Authentication Mobile Security Data Security	Advanced Threat Detection Security Intelligence Network Forensics Connected Threat Defence
SECURITY OPERATIONS Access Management • Change Management • Vulnerability Management • Incident Response		

DEFENDING AGAINST THE UNEXPECTED



Action Plan for Cybersecurity Leaders



THEN WE CAN BE A BIT MORE LIKE HIM



FEARLESS



Thank You