Microsoft

Talking Cyber Security with The Board

Marko Kavcic, Microsoft
Tjaz Jelovcan, Microsoft

NTK, Maj 2019

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Awareness

Action Plan

Buy-in

More revenue?

Less churn?

ROI?

…

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Good PR. Bad PR.

Iran commits 'major cyber assault' on UK infrastructure

Arutz Sheva

13 hours ago

Nearly all organisations polled hit by cyber attacks last year

The Straits Times

8 hours ago

Nearly all organisations in Singapore have suffered close to 4 cyber attacks in past…

The Straits Times

1 day ago

Toyota Reveals a Second Data Breach

BankInfoSecurity.com

1 day ago

Hackers steal credit card data from Planet Hollywood, Buca di Beppo customers

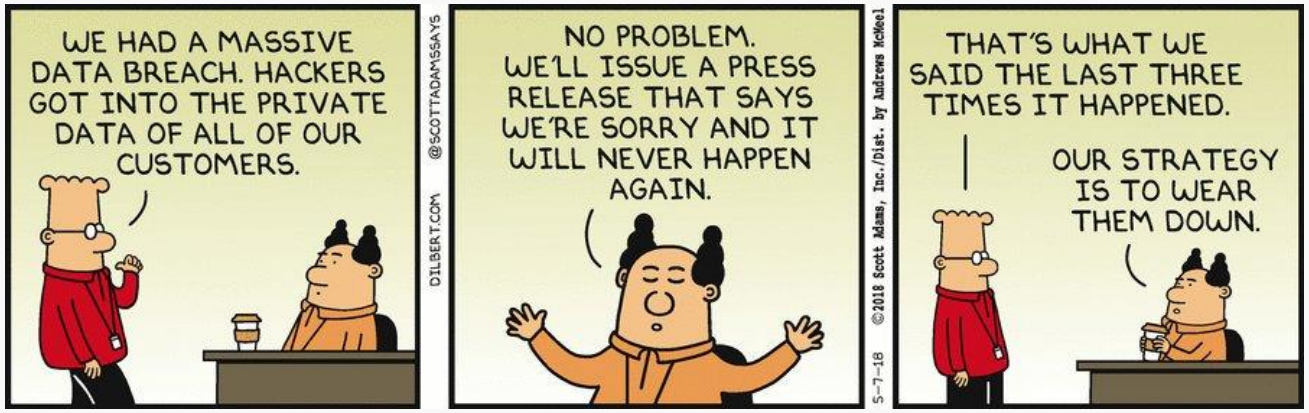
USA TODAY

1 day ago

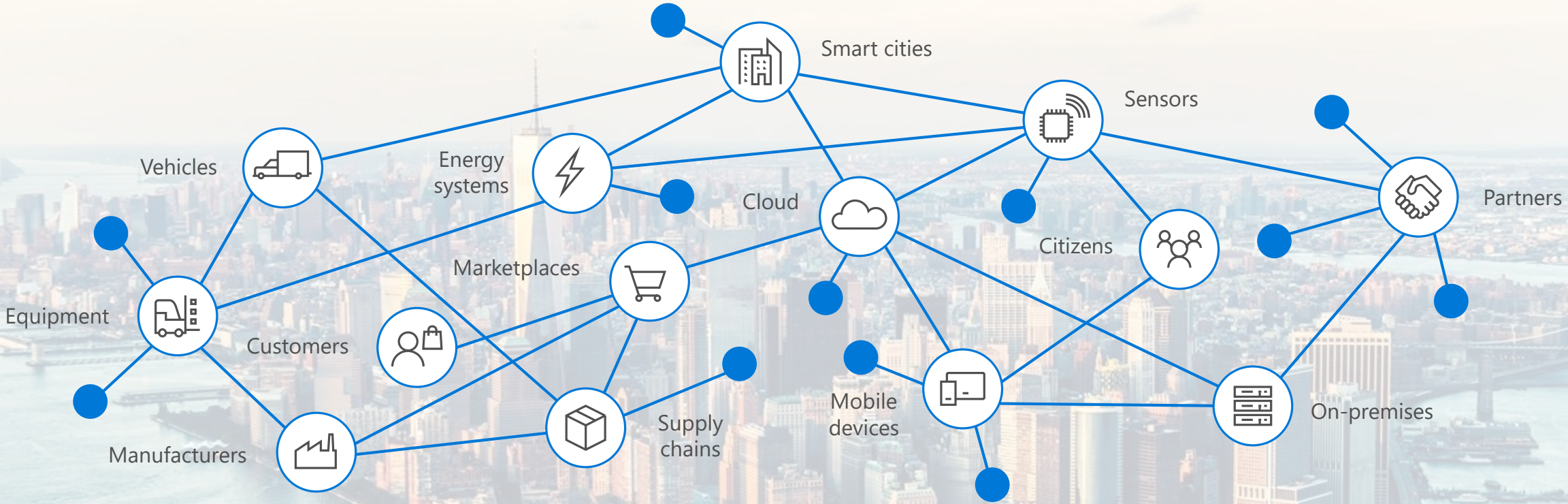
FEMA Data Breach Impacting Disaster Survivors a Cause For Concern

CPO Magazine

18 hours ago



Internet was built to connect, not to protect.



More devices. More technologies. More data.

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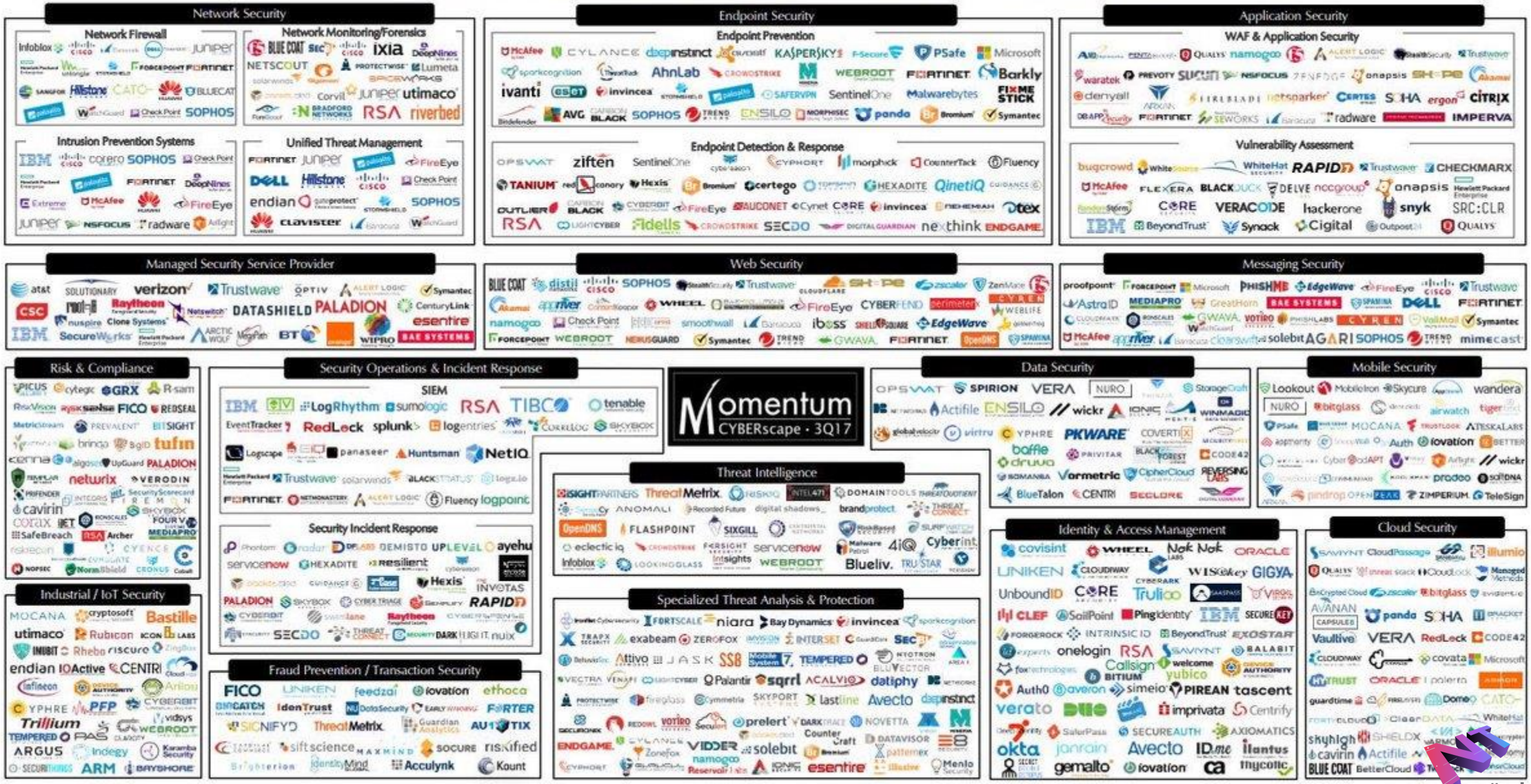
CYBERscape: The Cybersecurity Landscape



Wait!

Business objectives?

Processes?

Technology solutions?

People?

Strategic, Legal, Financial, Operational (Cyber Risk)

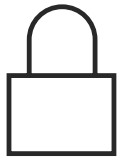
Enteprise risk management

Maintain business operations

Protect critical assets (what are our crown jewels)

Innovate for future (secure but innovative environment)

Technology

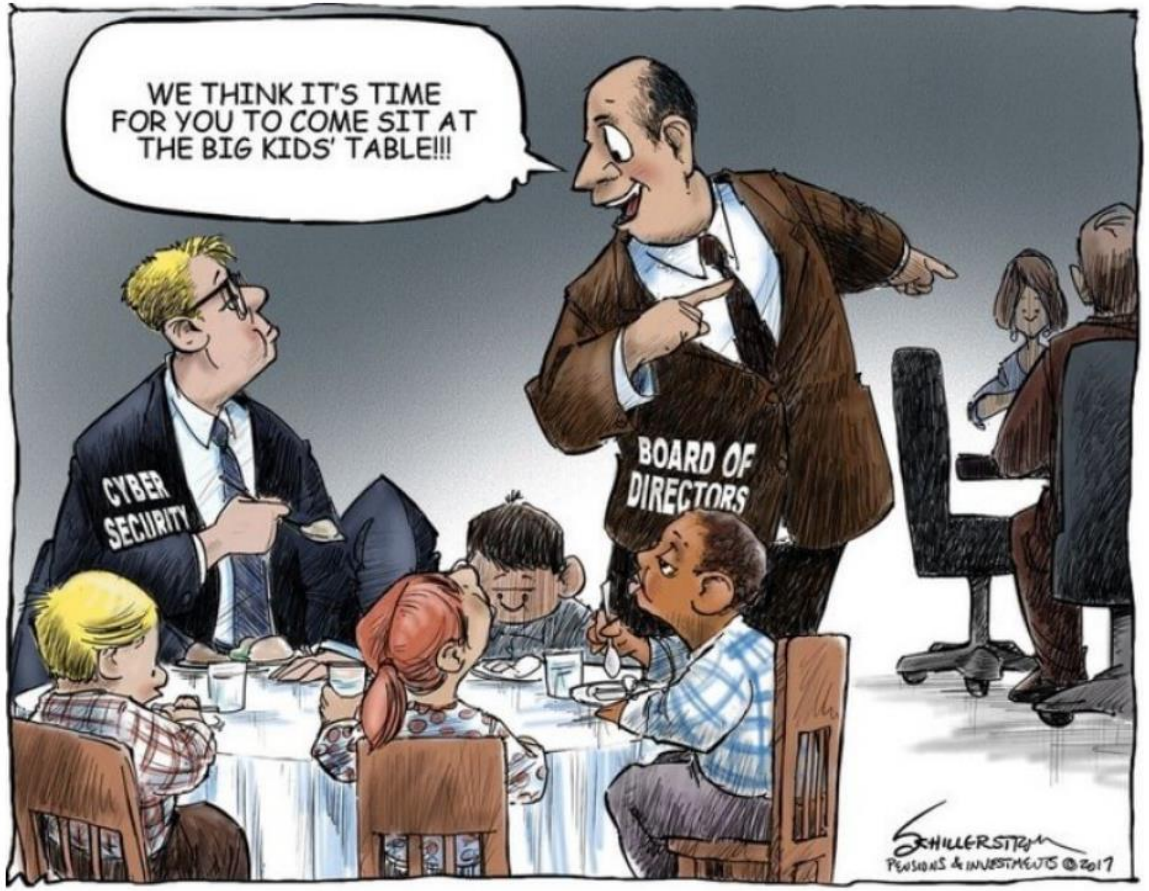


Firewall, VPN, IPS, DDoS protection, encryption, backups …

I want board's buy-in

What does the Board need?
What do they think?

- Are we secure? Will you keep the business running?
- Board Worries: Reputational risk, business loss.
- What's Your plan? Why do you need more resources?



https://www.pionline.com/article/20170123/PRINT/301239998/get-real-on-cybersecurity?utm_content=45437329

Example 1: Security landscape has changed.

Traditional security measures are not sufficient anymore.

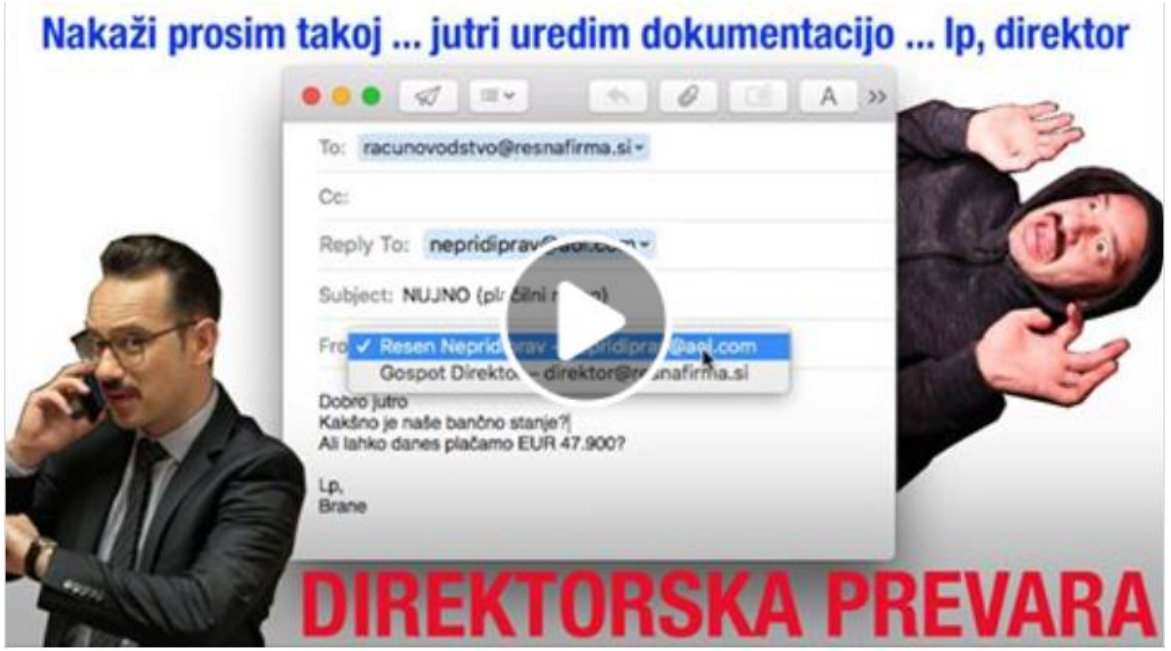
Example 2: Bad guys are being very innovative.

Plačali 60.000 evrov: opozarjajo na vrnitev direktorske prevare in napada s posrednikom

0 | 12. Jul 2018, 17:10 | Posodobljeno: 18:16 / 12.7.2018 | Priporoči 6

Deli na: Facebook Twitter

Neprevidnost lahko drago stane: podjetja na območju PU Maribor in PU Murska Sobota ter širom Slovenije še vedno na udaru spletnih kriminalcev.



Example 3: In digital age stealing sensitive data is a Copy-Paste function

Ctrl + C

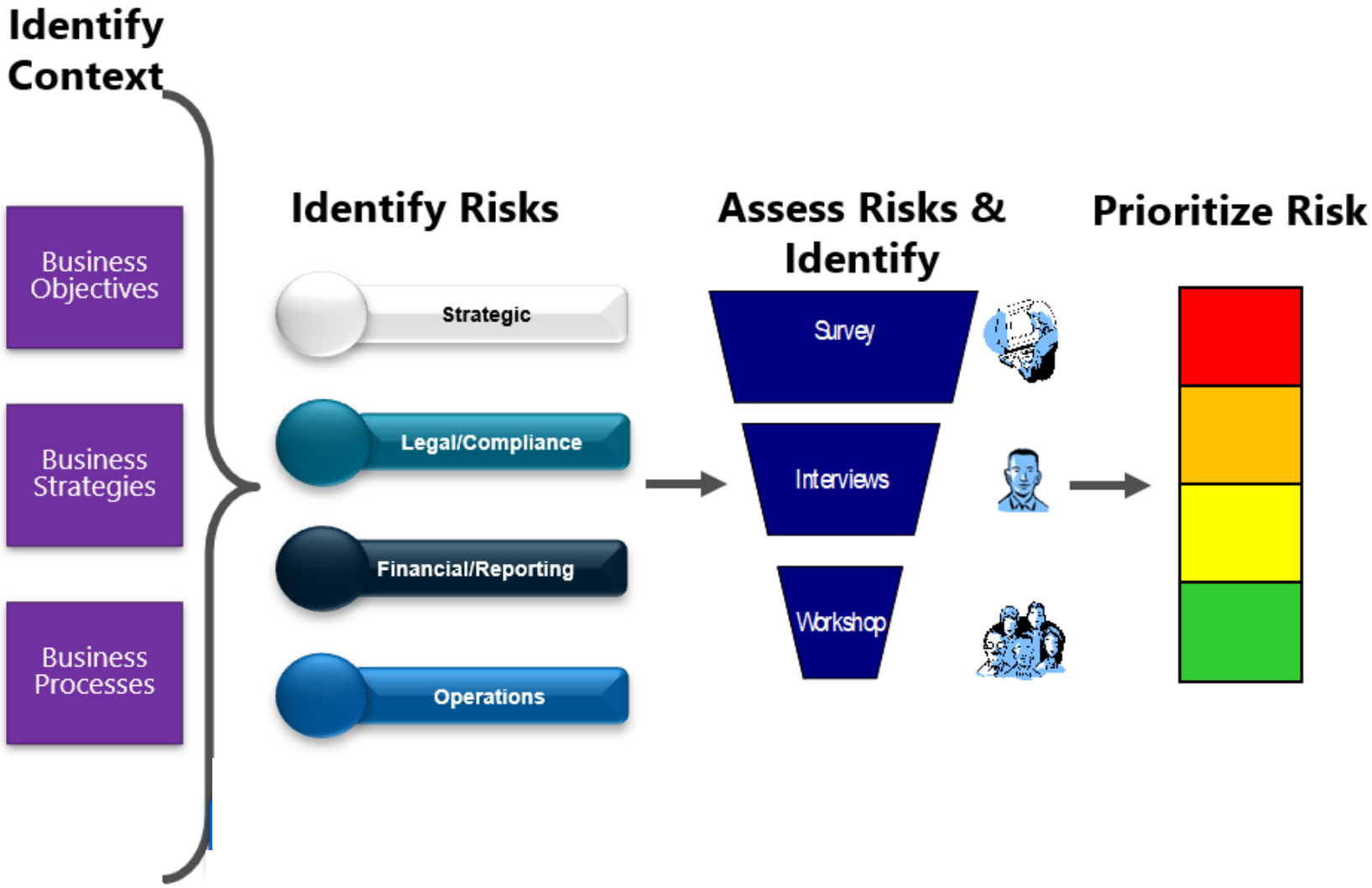
Ctrl + V

How to Prepare CyberSec Program: Overview

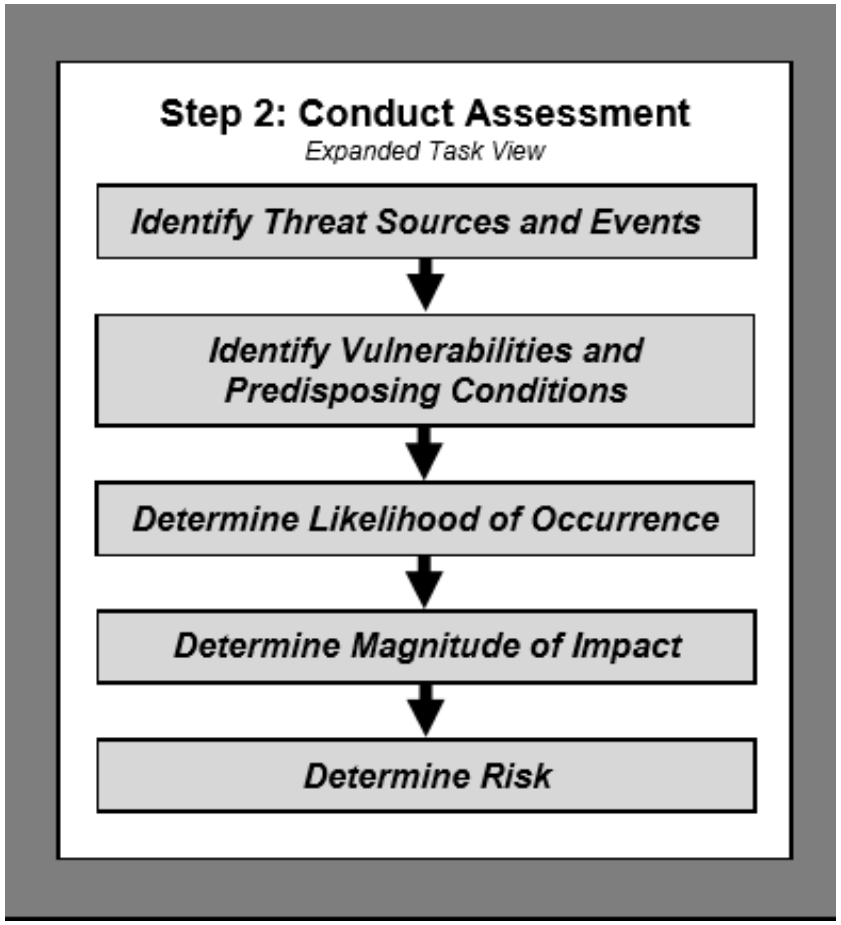
How to Prepare CyberSec Program: Frameworks

1. NIST Cybersecurity Framework - https://www.nist.gov/cyberframework
2. COBIT 5 – ISACA - https://cobitonline.isaca.org/
3. ISO 27001 - https://www.iso.org/isoiec-27001-information-security.html
4. TOP 20 Cybersecurity Controls – CSC - https://www.cisecurity.org/controls/
5. NIST 800 – 53 - https://nvd.nist.gov/800-53/Rev4/impact/high

Risk Assessment



Risk Assessment



Identified Threat	Impact	Likelihood	Value	Risk Calculation
Unauthorized Access (Malicious or Accidental)	High [100]	High [1.0]	100*1.0=100	Severe
Misuse of Information by Authorized Users	High [100]	Medium [.5]	100*.5=50	Elevated
Data Leakage / Unintentional Exposure of Customer Information	High [100]	Medium [.5]	100*.5=50	Elevated
Failed Processes	High [100]	Low [.1]	100*.1=10	Low (Normal)
Loss of Data	High [100]	Low [.1]	100*.1=10	Low (Normal)
Disruption of Service or Productivity	High [100]	Low [.1]	100*.1=10	Low (Normal)

Operational approach – use NIST 800-30

https://nvlpubs.nist.gov/nistpubs/Legacy/SP/nistspecialpublication800-30r1.pdf

Risk Assessment – „But it never happens“

Watch the whole story – RSA Conference – 12min:
https://www.youtube.com/watch?v=kHbvyhAVm6k

Your Holistic Approach to Cybersecurity

Protect, Detect & Respond

- Identify & protect your highest-value assets,
- Protect critical data everywhere
- Gain the best visibility into potential attacks through context & heuristics
- Respond quickly & recover integrity

Business implication of good Cybersecurity posture

More revenue? Less churn? Better brand? ROI?

Last question from the Board: **Can it help the business?**

- Be productive: work from everywhere but in a safe way.
- Simpler to meet regulatory compliance by certified platforms.
- Good brand reputation: no breach.
- Secure use of latest technology.
- Unstressed employees.
- We are not firefighters; we are adding value to business.

Key take aways

Cyber Security is not only about technology & products.

Get a seat at the big table.

Establish a Cyber Security strategy program for your company.

Microsoft

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https://aka.ms/CyberSecurityProgram

Marko Kavcic, Microsoft – a-makav@microsoft.com
Tjaz Jelovcan, Microsoft – tjaz.jelovcan@microsoft.com

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