Stop assuming – start anticipating

From Cyber Security to Cyber Resilience

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Markus Limbach

The dramatic evolution of today's cyber-threat landscape

Every 11 seconds a company falls victim to a ransomware attack[(a)]

This sums up to >80 during the course of this presentation

Source: (a) According to estimates from Cybersecurity Ventures for 2021

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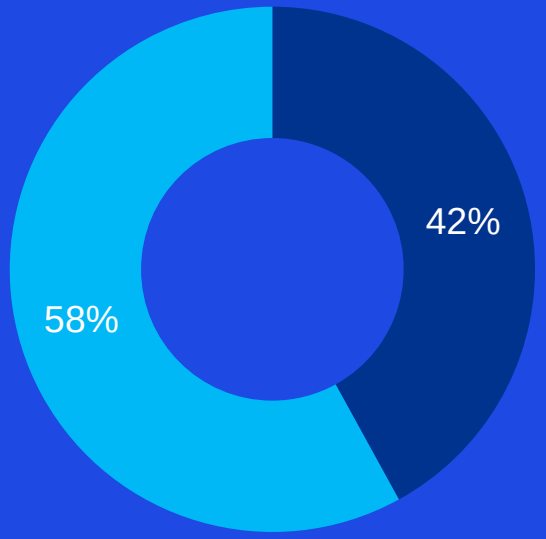
Cybersecurity teams are struggling to keep up

- Cyber teams are under pressure to keep up with evolving threats
- Lack of key skills is the top issue
- Over half are behind schedule

How would you describe your organization's position today in your cyber security journey?



- We are proactive in progressing against our strategy and are continually evolving
- We are behind schedule, even if plans and a vision are in place

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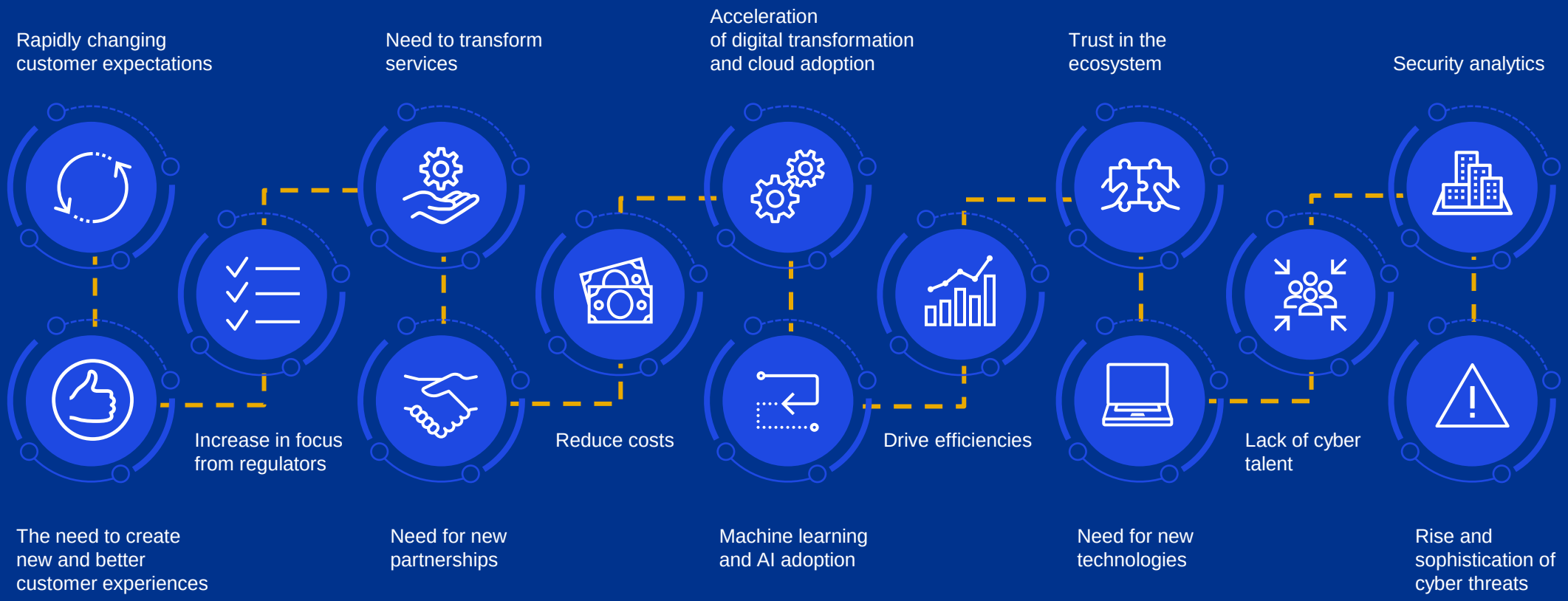
Cyber is a golden thread



Business drivers and outcomes — **Technology drivers and outcomes** — **Cyber drivers and outcomes**

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Reframing the “assume breach” conversation

assume

to take for granted or without proof

anticipate

to realize beforehand; foretaste or foresee
to perform (an action) before another has had time to act
to nullify, prevent, or forestall by taking countermeasures in advance

Source: www.dictionary.com

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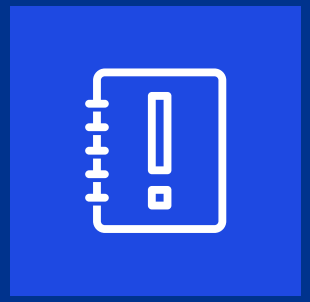
What happens if a breach happens?

Start anticipating...



... the breach

... the most realistic breach scenario

... the first 5 days after the breach

... the necessary decisions and decision structures

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Understand, anticipate, and be prepared to recover

01
Evaluate Customer Perspective

Consider how long you can sustain the business if significant functions are down and what it would mean from a customer impact perspective.

02
Evaluate Supplier Perspective

Think about how a significant cyber event would affect your dependency on suppliers.

03
Raise Board Awareness

Elevate the topic of cyber security and cyber resilience to board level.

04
Check/Update Existing Plans

Question whether your current resilience plans are fit for purpose for a cyberattack and take appropriate corrective measures.

05
Challenge Assumptions

Have the humility to acknowledge that your assumptions might be wrong — and an alternate plan that can be operationalized quickly.

06
Exercise

Help the C-suite develop their crisis management capabilities and their individual roles in the event of a cyberattack through regular, real-world simulations.

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Using a Zero Trust framework to connect the silos

01 Business drivers

- Digital Transformation & Cloud
- Global supply chain
- Remote working/ Global workforce
- 3rd party ecosystem & Partners
- M&As/ Divestitures

02 Enterprise concerns

- Flat network allowing Lateral movement
- Limited Asset inventory
- Open access (VPN)
- Limited visibility of events, behaviours and risk
- Reactive approach to Security

03 Macro trends and influence

- Market/vendors
- Analysts Forrester/ Gartner etc.
- Security leaders and organisations (NIST, etc.)
- Hyper-scalers (AWS, GCP, MS Azure)
- Federal government and agencies

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Zero trust is the way forward

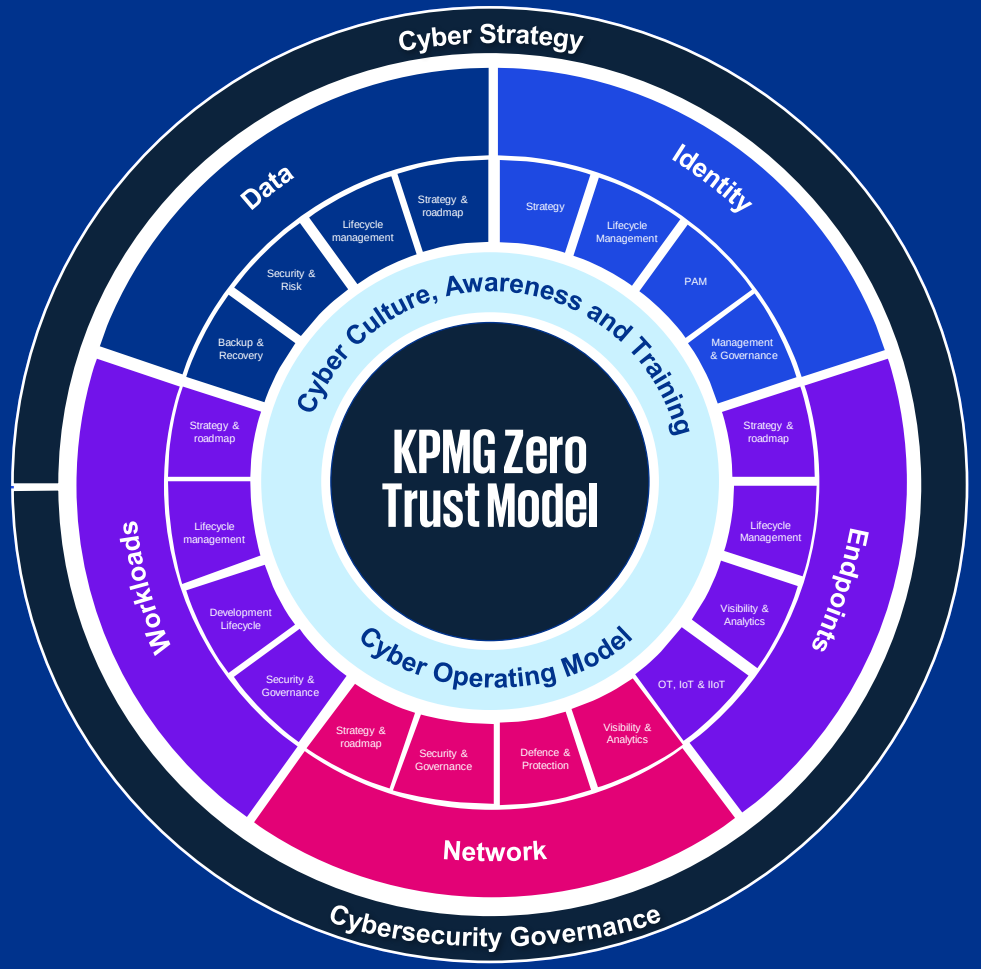
Put user identity, access management and data at the heart of cyber security

3 Key Principles

- Assume nothing (never trust)
- Check everything (always verify)
- Limit access (least privilege)

3 Key Must-Do's

- Ensure that a community is set up and collaborating
- Connect the dots/join the silos/integrate
- Training and awareness so users are the first/last line of defence



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