“People, processes, and cybersecurity: Closing the gaps in risk management”

I SEE CYBER RISKS
EVERYWHERE

Stay home.

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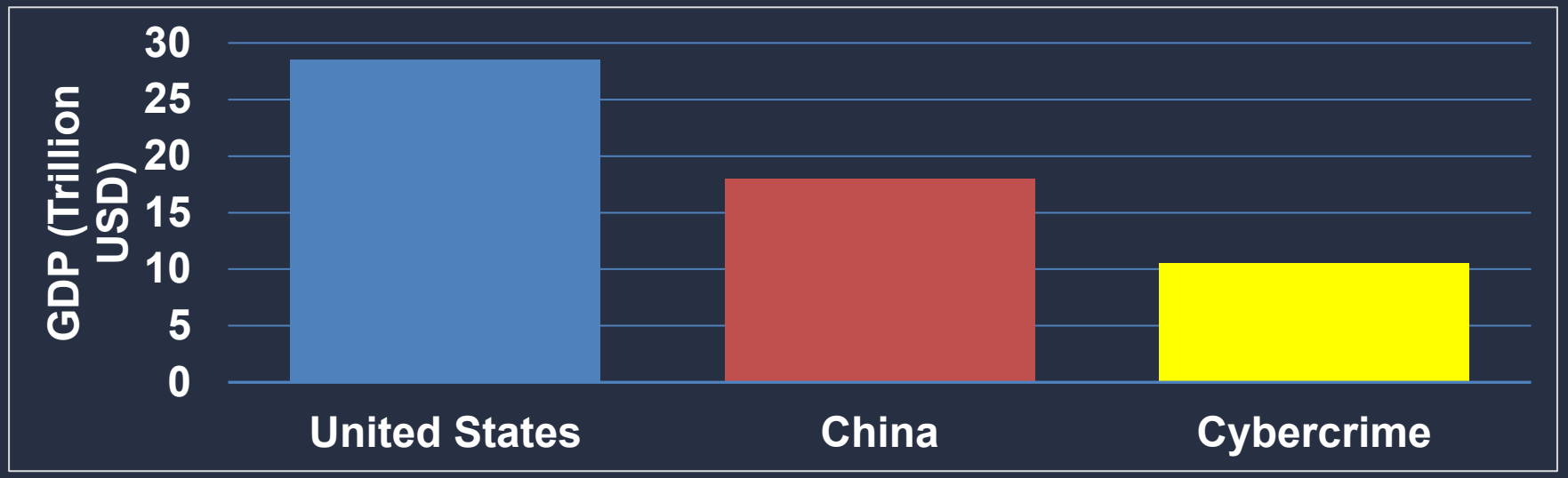
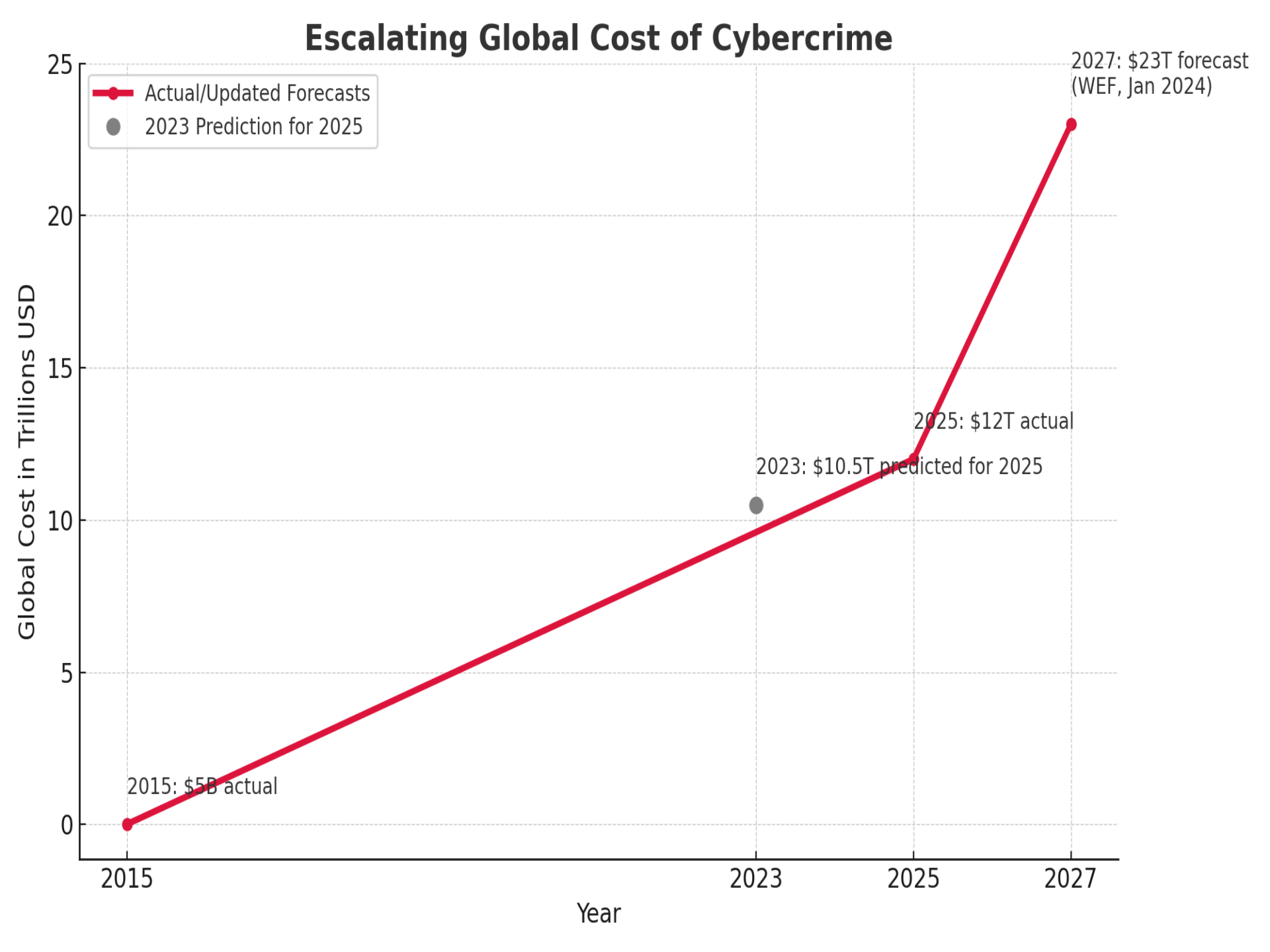
Cybercrime: The World's 3rd Largest Economy

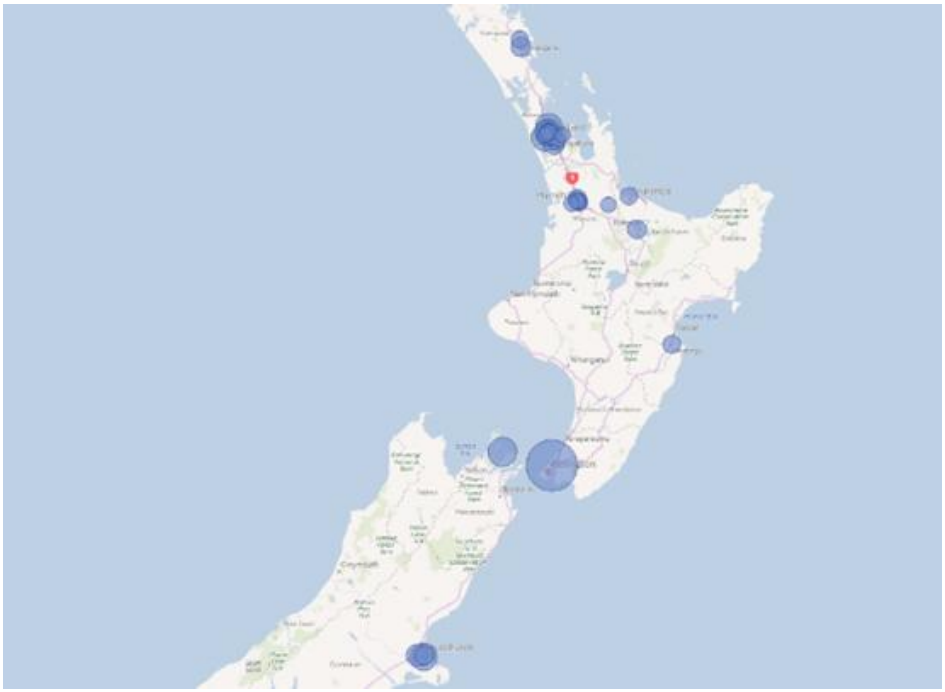


If cybercrime was a country, it would be the 3rd largest economy in the world.

*Data source: Cybersecurity Ventures, World Bank


Escalating Global Cost of Cybercrime
Actual/Updated Forecasts
2023 Prediction for 2025
2027: $23T forecast
(WEF, Jan 2024)
2025: $12T actual
2023: $10.5T predicted for 2025
2015: $5B actual
Global Cost in Trillions USD
Year
0
5
10
15
20
25
2015
2023
2025
2027

Cyber Threats Are Escalating in Aotearoa

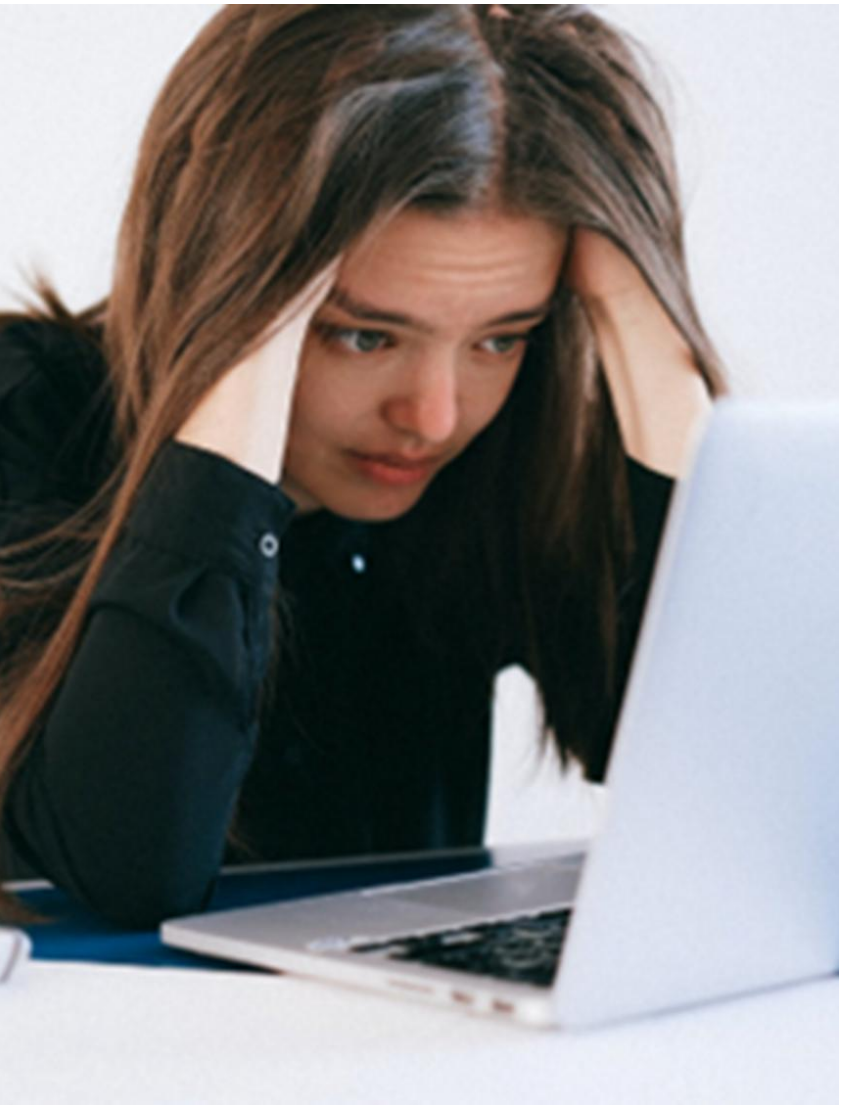


Cybercrime in NZ (Last Quarter):

- 14.7% quarterly increase in financial loss
- $7.8 million in financial losses
- $1million up on the quarter prior
- **Incident Reports:**
- 1369 incidents were reported.
- 77 incidents were triaged for specialist support

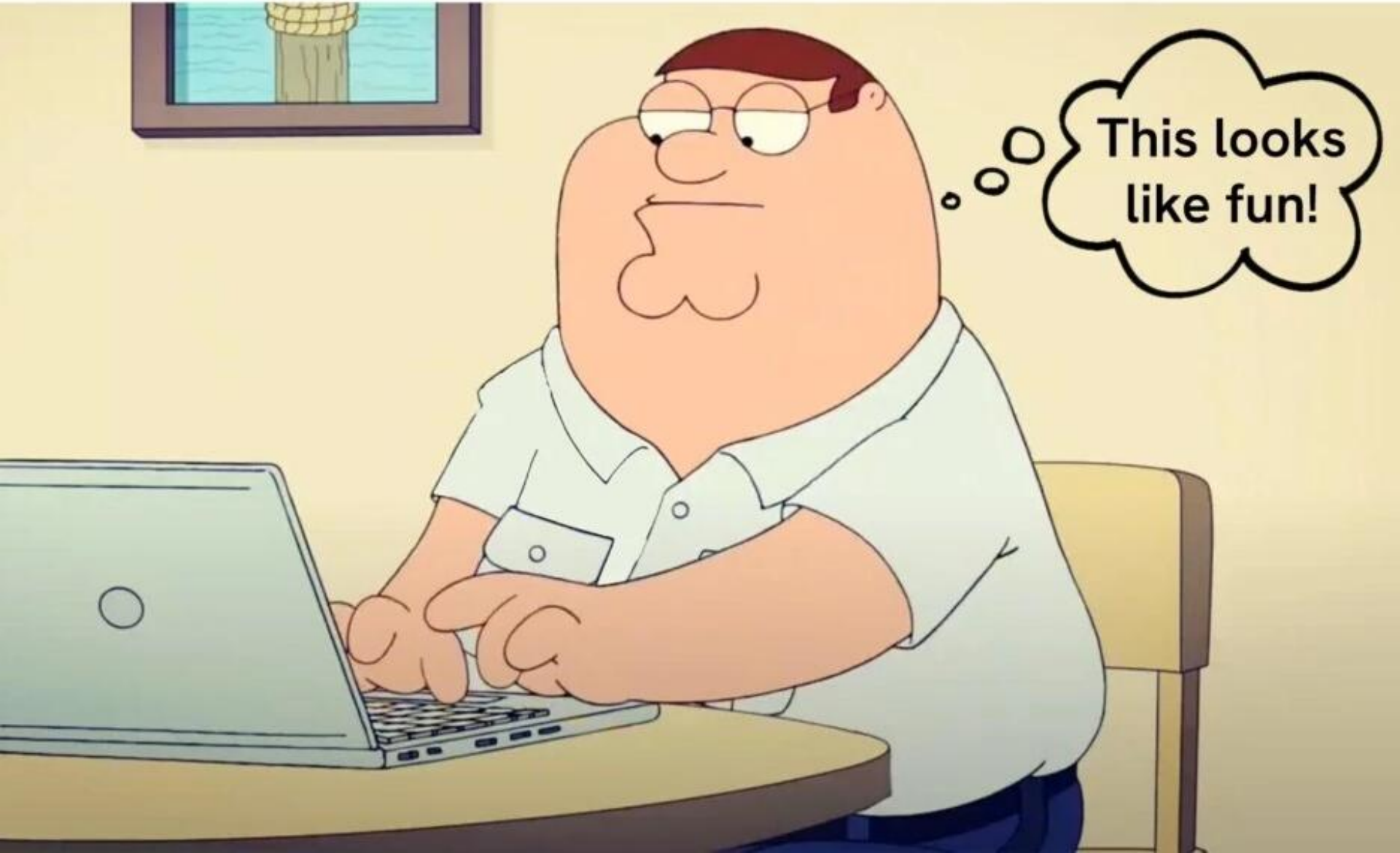
Cyber Resilience

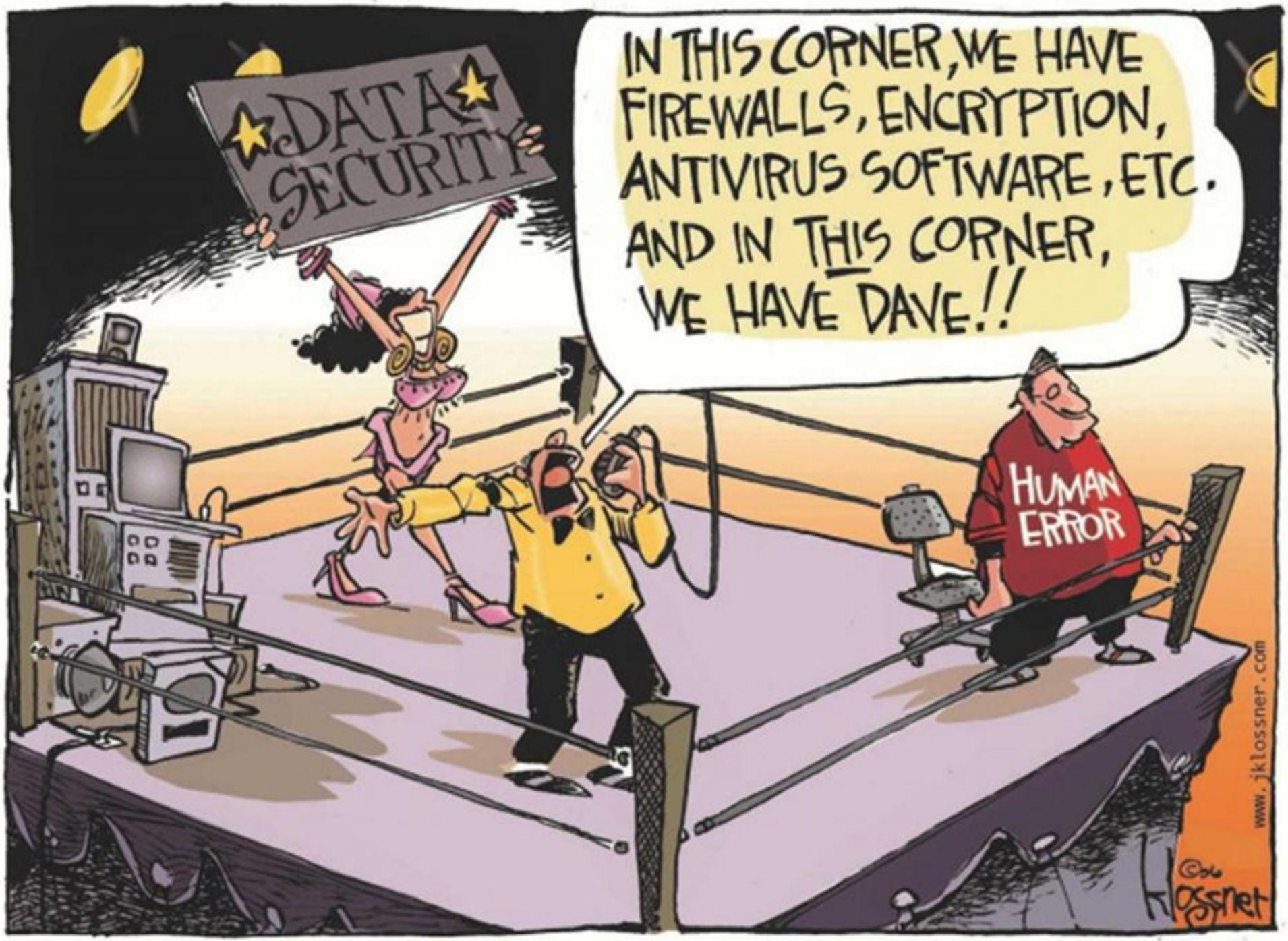
The Human Element: Your Greatest Strength and Biggest Risk

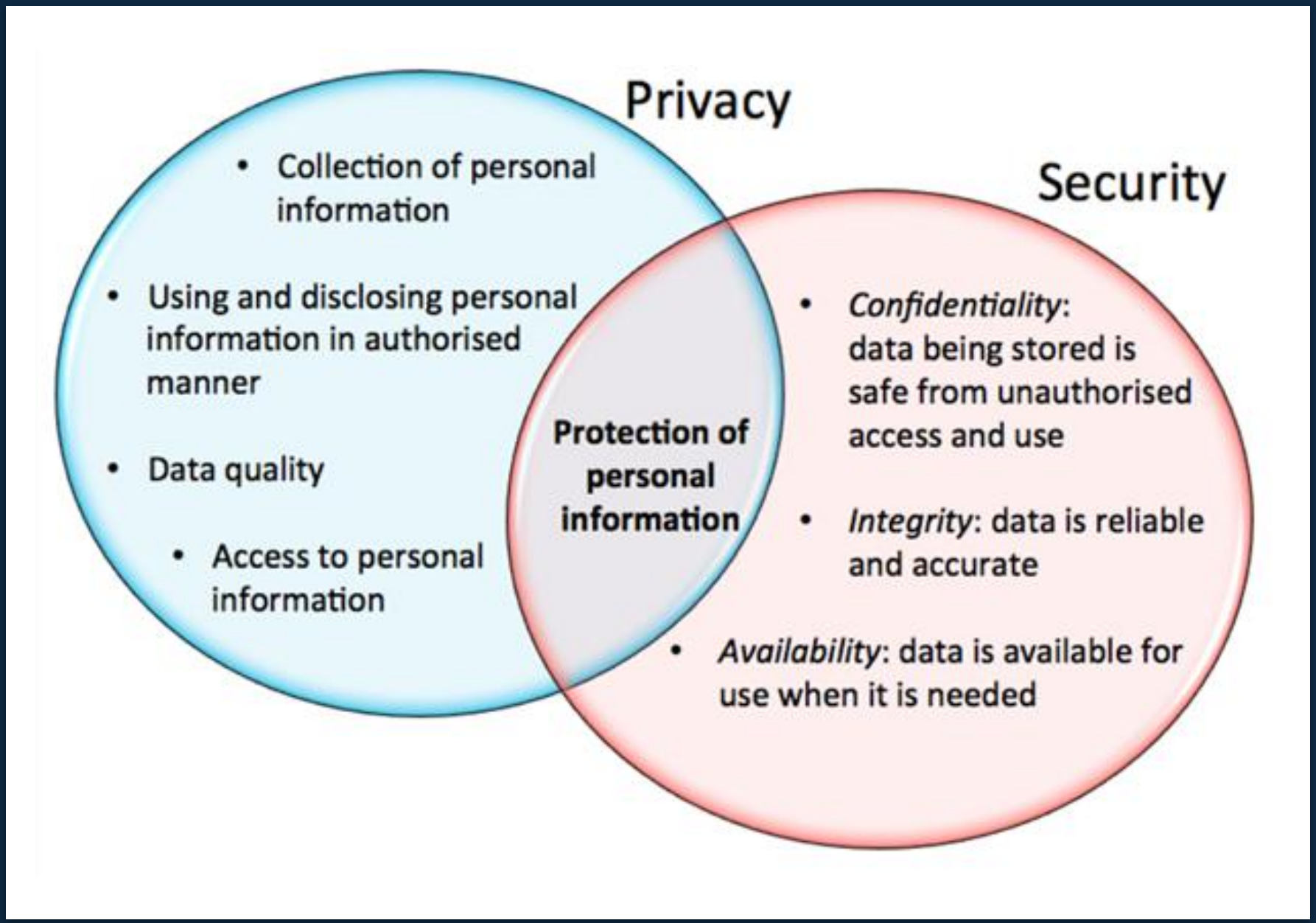


Over 80% of cyber attacks are caused by humans.

When you think you've closed all the security gaps, but your employee clicks on a phishing email!




DATA SECURITY
IN THIS CORNER, WE HAVE FIREWALLS, ENCRYPTION, ANTIVIRUS SOFTWARE, ETC.
AND IN THIS CORNER, WE HAVE DAVE!!
HUMAN ERROR
www.jklossner.com
©'06
Klossner


Privacy
Collection of personal information
Using and disclosing personal information in authorised manner
Data quality
Access to personal information
Protection of personal information
Security
Confidentiality: data being stored is safe from unauthorised access and use
Integrity: data is reliable and accurate
Availability: data is available for use when it is needed

AI

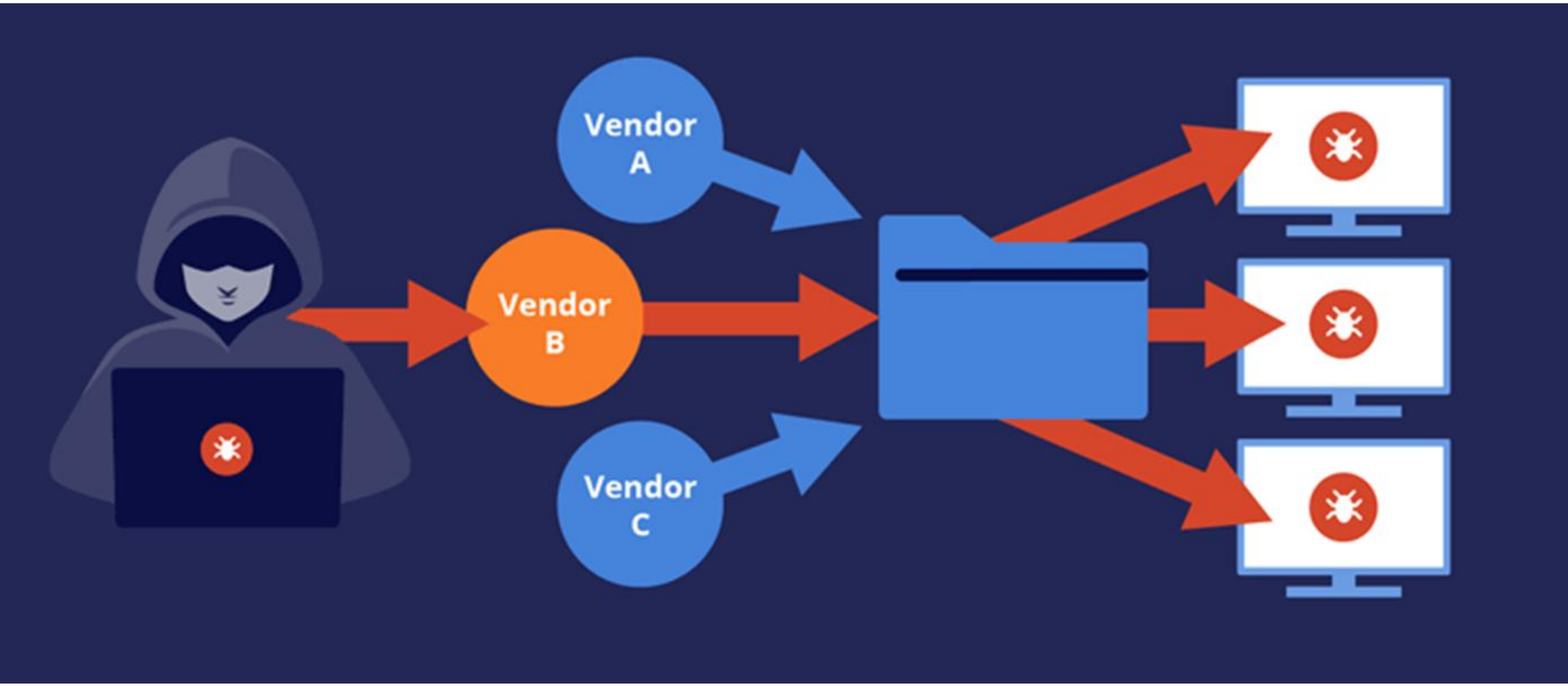
IOT

"CAN I INTEREST YOU IN A FIREWALL FOR YOUR TOASTER?"

Risk Management Framework
Continuous Improvement
Risk Assessment, Treatment & Acceptance
Threat Assessment
Vulnerability Assessment
Risk Management
Information Security Management System
Identity Management
Incident Management
Security Platform Operations
Protective Monitoring
Vulnerability Management
Malware Controls
Security Operations
Application Security
Data Security
Cloud/ SaaS/ PaaS/ IaaS Security
Server OS Security
IoT/ Operational Technology Security
Endpoint Security
Network Security
BYOD Security
Communication Security
Securing The Technology
Supplier Audits
Due Diligence Reviews
Supply Chain Risk Assessment
DEFSTAN 05-138
Securing The Supply Chain
Virtual CISO
Strategy, Leadership & Governance
Information Security Governance Body
Strategy & Business Alignment
Policy & Procedures
Security Improvement Plan
Metrics & Reporting
Finance
Joiners/ Movers/ Leavers
Cyber Resilience
Business Continuity
Physical Security
Cyber Insurance
Security Training & Awareness
Securing The Business
Project Security Risk Management
Security Testing Assurance
Innovation - Exploiting Emerging Technology
Secure Development Lifecycle
Security Architecture
Securing New Initiatives
Regulatory & Compliance
Cyber Essentials/ Cyber Essential Plus
ISO 27001
IASME
Data Protection/ GDPR
Gap Assessment
Accreditation
Audits
Contractual Needs

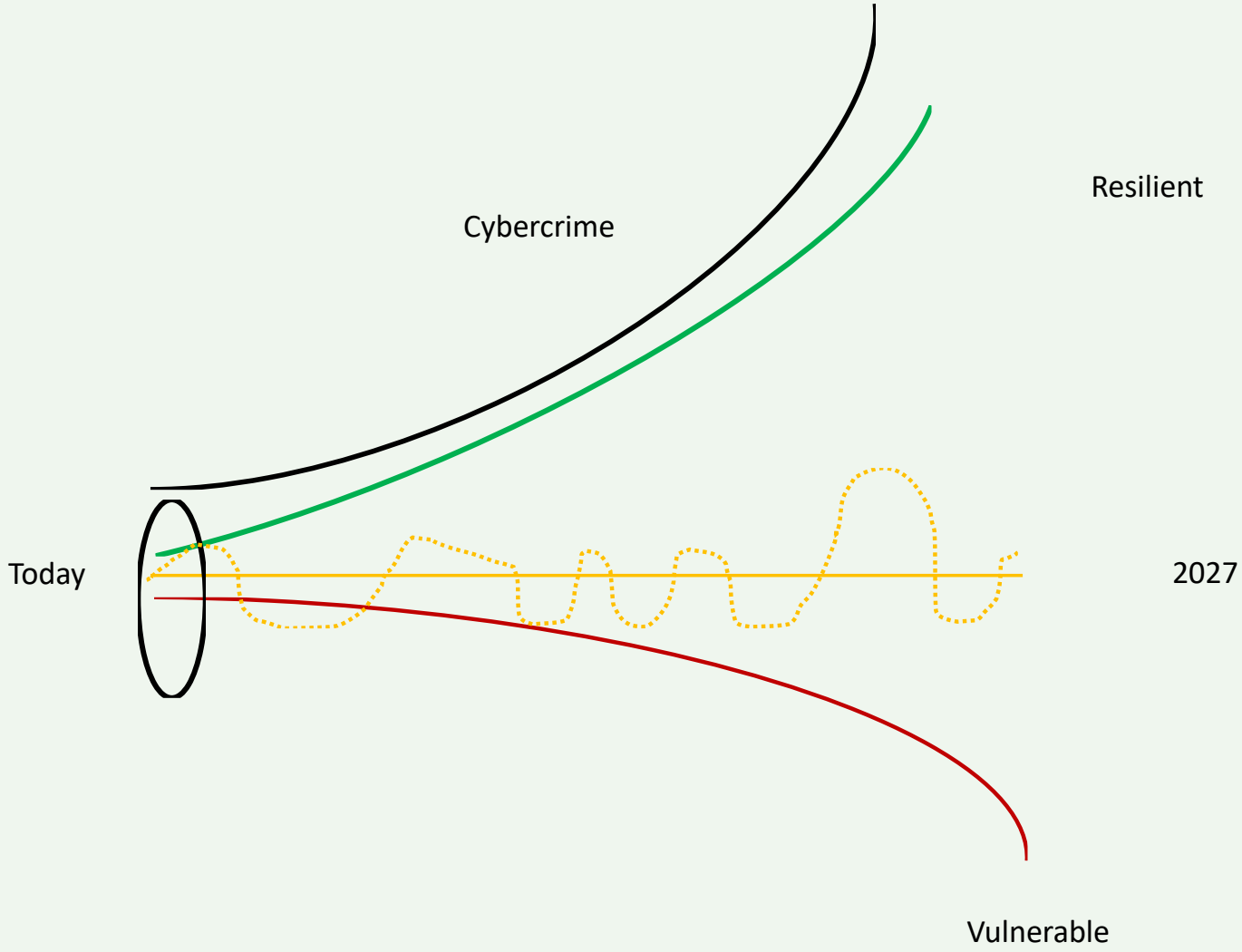
Our Incident Response Plan
goes something like this...
HELP!
HELP!

Supply Chain Risk: The Backdoor to Your Business



It’s Not Just the Tools; It’s How You Use Them

From Risk Awareness
to Action


Cybercrime
Resilient
Today
2027
Vulnerable

What Will *You* Take Back to Your Organisation?