

Cyber Team – Working Together for a safer world

Cyber security is the threat real or made up by salesmen?

- 13th May 2017, Global ransomware attack hits countries and organisations including:
 - Hospitals
 - Fedex
 - Governments
- The next slide shows how far the virus had spread 13 minutes after first alert



The Reality: Cyber Threat Rising





Anatomy of an Advanced Cyber Attack

Reconnaissance



Find names of employees and set up email accounts in their name

Delivery



Sent a phishing email with a link to a malicious ZIP file sometimes hidden as a pdf

Exploitation



Back door opened by link being clicked on by employees.

Control



Access through back door, then pass-the-hash or password dumping to escalate privileges

Act on intent



Navigate laterally around the network and gather up IP, business contracts, negotiation tactics, internal comms.

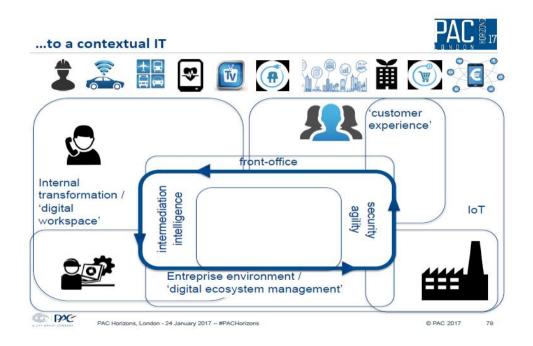
Egress



Extract info from network and share with companies / organisations to get commercial and diplomatic advantage.



Ever increasing Connectivity across Digital Surfaces





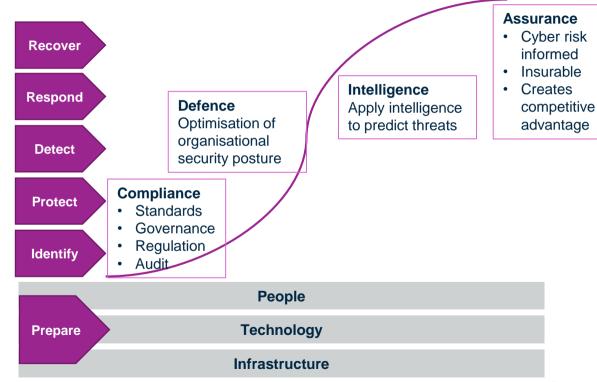


Cyber Security, Why Bother?

Other recent attacks include:

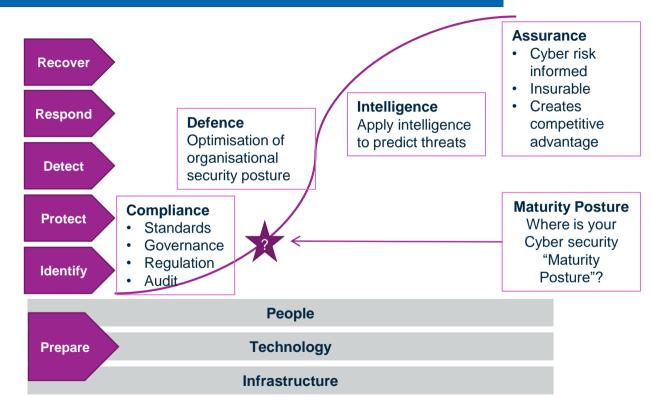
- Banks numerous
 - Syphoning money
 - System malfunction
- Numerous data thefts
- National Security Agency
- The biggest bank job in 2015 was completely digital
- Business disruption:
 - PayPal, Twitter, Playstation, Netflix, Yahoo

The stages of Preparedness



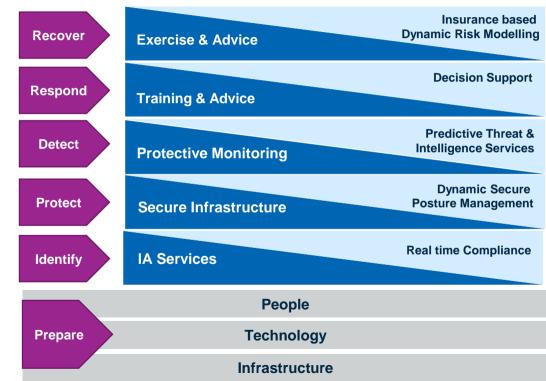


Transaction to Partnership

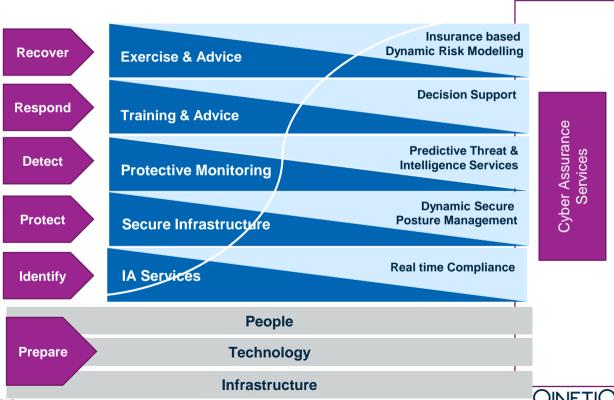




The new cyber - partner relationship

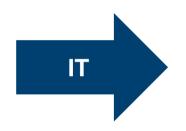


Improving your Cyber Security Posture



CONVERGENCE

What is going on in your world?







Information Technology

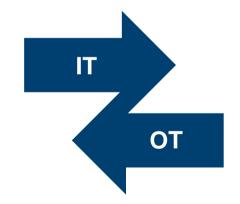
Operations Technology



CONVERGENCE







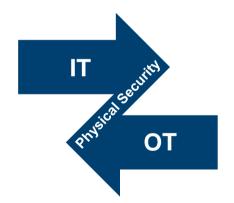
Analogue World



CONVERGENCE IT & Physical Security



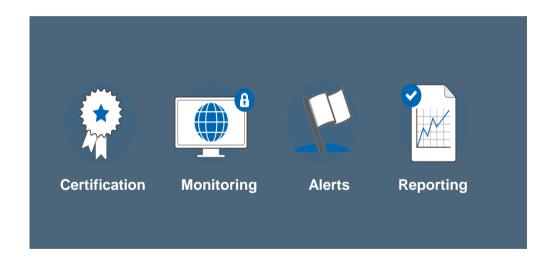
IP World



Analogue World



The Present: Cyber Threat Management



The Future: Better Training, Sharing Threat Intelligence



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