Financial institutions
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Cyber Security 3.0 – Better Together

- Stella Cramer, Friday 18 August, 2017
- Partner, Norton Rose Fulbright LLP, Singapore
- SWIFT Institute Member of Advisory Council



Themes of the Conference

How is the threat evolving?
How to prevent?
How to collaborate?
Cyber Risk Insurance market



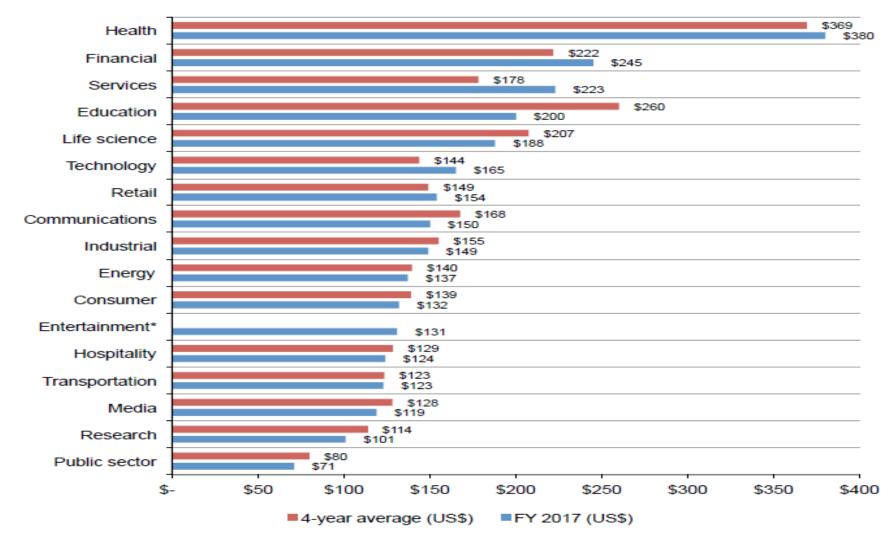
Malware Infection Index Asia Pacific 2016



Cost of a data breach – per record lost

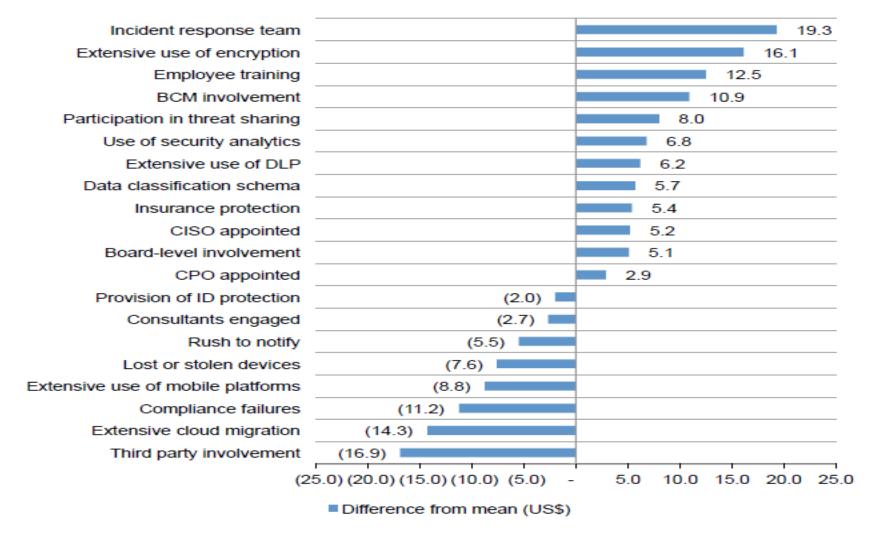
Figure 5. Per capita cost by industry classification

*Historical data are not available for all years Measured in US\$



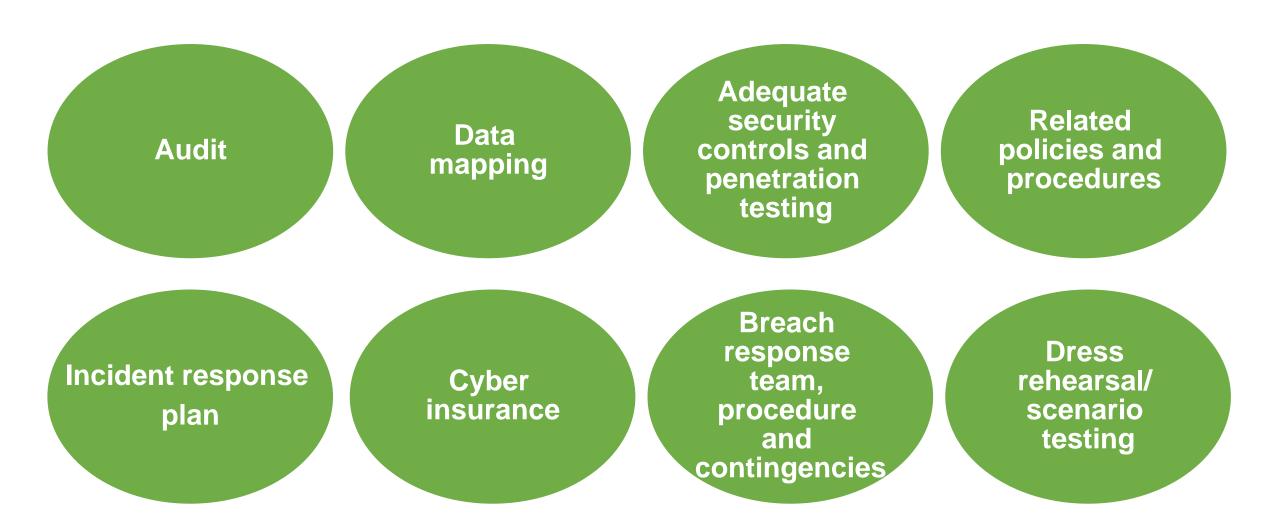
Impact of factors on cost of a data breach

Figure 9. Impact of 20 factors on the per capita cost of data breach Measured in US\$



Ponemon Institute, 2017 Cost of Data Breach Study: Global Analysis (June 2017) (Sponsored by IBM)

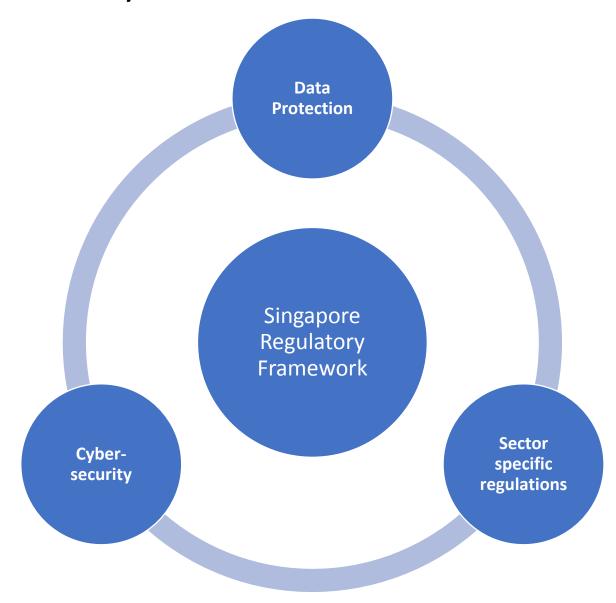
Before the Event - Mitigation



As soon as an incident is detected - Respond

Swiftly respond to Assess the size and nature incidents as soon as they Contain the breach of the incident occur Establish legal professional Coordinate various third Preserve evidence party vendors privilege Mandatory notification Multiple jurisdictions Insurance obligations

Singapore's Cybersecurity Framework



Singapore – New Cybersecurity Bill



The long-awaited new Cybersecurity Bill has just been issued on 10 July 2017. It is part of the Singapore government's national cybersecurity strategy, which broadly consists of four pillars: (1) Building a Resilient Infrastructure, (2) Creating a Safer Cyberspace, (3) Developing a Vibrant Cybersecurity Ecosystem and (4) Strengthening International Partnership.

Four likely features of the new Cybersecurity Act:

- New Commissioner of Cybersecurity will have the power to designate computers as "Critical Information Infrastructure" (CII)
- CII owners will have to comply with directions from the Commissioner on the design, configuration and security of the CII; will also have mandatory data breach reporting obligations.
- Wider powers of investigation and emergency cybersecurity measures.
- 4 Regulation of licensable cybersecurity services.

Cybersecurity - Tighter regulation

Hong Kong



- SFC and HKMA issued various cybersecurity circular and initiatives in 2016
- SFC issued Consultation Paper to reduce hacking risks associated with internet trading in May 2017

Thailand



Cyber Security Bill

China



- Cybersecurity Law, effective 1 June 2017
- Draft regulations on procurement and cross border data transfer

Singapore



- Consultation Paper on new Cyber Security Bill issued (July 2017)
- The Computer Misuse and Cybersecurity (Amendment) Bill

The Philippines



- DICT Act became law in May 2016
- National Cybersecurity Inter-Agency Committee formed in Sept 2015

Indonesia



Establishment of National Cyber Agency during
 2017

Japan



 Update Cybersecurity Guidelines for Business Leadership in Dec 2016

Speaking today





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+65 6309 5349 stella.cramer@nortonrose fulbright.com Stella Cramer is a technology and innovation lawyer based in Singapore, and is the Co-Head of the technology and innovation practice for Asia and Head of Risk Advisory for Asia.

She regularly advises on complex, transformational technology and commercial transactions, outsourcings, related regulatory issues and global compliance programmes for global financial institutions and major corporates across all industry sectors in the region.

She has an Executive MBA from INSEAD/TSINGHUA and over 19 years' experience in private practice and in house, including 9 years in Singapore and Hong Kong. She was previously Head of Legal and Compliance for Data, Technology & Operations at a global financial institution based in Singapore.

She is a member of the SWIFT Institute Advisory Council.