Cyber Security

Is the Risk Increasing? What Can We Do?

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27 October 2020





Global Trends...

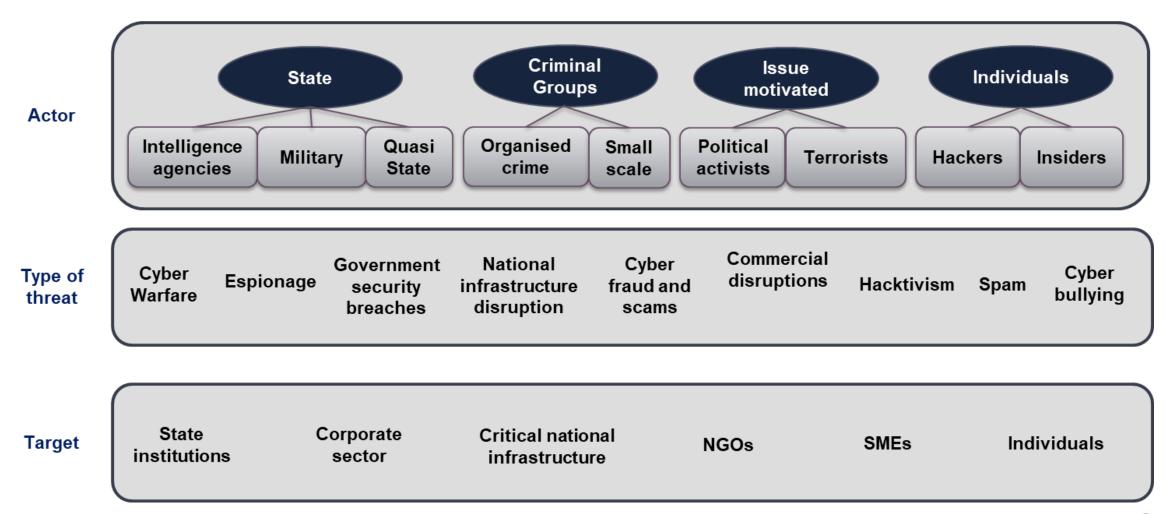
Technology is evolving quickly...

Covid-19 has increased our reliance...and vulnerability

Adversaries have noticed. Threats increasing, some more sophisticated.



...Familiar Actors



New Zealand's environment

- Part of a global network, dependent on it
- New technology changes risks...
- ...which have grown.
- Complacency costs...
- Making an attractive target



New Zealand targeted...



A cyber attack interrupted manufacturin

Incident Of The Week: New Zealand's Tū Ora Compass Health Discloses Security Breach Of 1 Million Records

Unpatched Web Servers Led To Four Separate Attacks On Primary Health Organization





NZX down again after another cyber attack

6:31 pm on 26 August 2020











The New Zealand stock exchange (NZX) has come under another cyber attack, bringing all trading to a halt.

The tip of the iceberg...

CERT NZ 2020 Reporting

3,102 incidents reported Q1/Q2

73% increase Q1 to Q2

42% increase from 2019

Most reported incidents: phishing and credential harvesting, and scams and fraud.

National Cyber Security Centre: Cyber Threat Report 2018-19

339 incidents recorded to June 2019

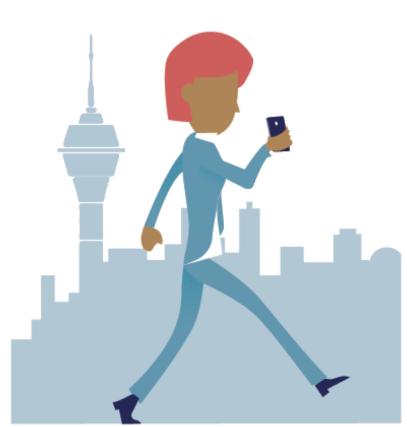
38% of incidents linked to statesponsored groups

What we've done...

- Establishment of CERT NZ in 2017
- Delivery of CORTEX malware detection and disruption services
- Cyber Security Emergency Response Plan
- Capability building Connect Smart, now Cyber Smart
- Protective Security Requirements for government agencies

- International engagement on cyber security issues
- Cyber Security Summit
- Establishment of NCSC
- 3 Cyber Security Strategies (2011, 2015, 2019)
- Attributed malicious cyber activity to state actors





How prepared is New Zealand?

The National Cyber Security Centre surveyed 250 organisations of national significance

- 61% providing cyber security reporting to senior management
- 63% have an incident response plan
- 64% considered IT security as part of vendor contracting
- 36% have no means to confirm vendors are delivering agreed level of IT security



Government in the public eye...

NEW ZEALAND | Politics

MSD shuts Winz kiosks after lax security exposed

15 Oct, 2012 12:45 AM

(0) 3 minutes to read



Photo / File

APNZ



Thousands of files on the Ministry of Social Development's computer servers, including the personal details of at-risk children, have been accessed through a Wellington Work and Income job seeker kiosk.

Public sector an attractive target...

- Major digital presence
- Provider of critical services
- Sensitive information (citizen or government data)
- Disruption of service (DDoS, RDoS, Ransomware)

5 December 2019

Final Report

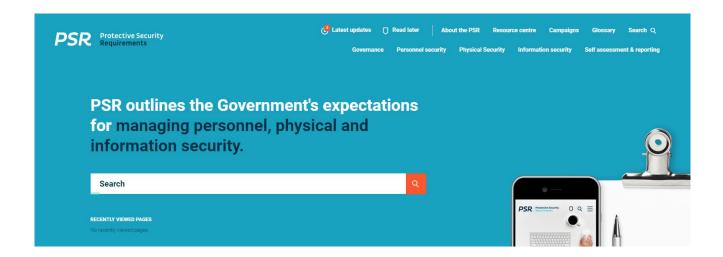
Independent Review of the Tuia 250 Voyage Trainee Privacy Breach

Manatū Taonga – Ministry for Culture and Heritage

RDC Group Ltd

...leading to refreshed measures

- Government Chief Digital Officer (GCDO)
- Government Chief Information Security Officer (GCISO)
- Government Chief Privacy Officer (GCPO)
- Protective Security Requirements
- NZISM









Confident and secure in the digital world: Enabling New Zealand to thrive online

The new normal? Looking ahead

- Flexible working, engaging with the world
- Accelerated digital transformation
- What's critical?
- Grow the cyber security sector
- Strengthen resilience and awareness





Cyber security crucial for recovery efforts

The value proposition:

- Trust
- Capability

Will require investment and vision...

You play a key role...

- Education and awareness
- Good cyber hygiene
- At home, work, and play
- Pandemic stress...
- ...does that email look suspicious?
- Seek help...no shame.



Information and advice...

Your Departmental Security Officer

CERT NZ (www.cert.govt.nz @CERTNZ)

National Cyber Security Centre (www.ncsc.govt.nz info@ncsc.govt.nz)

National Cyber Policy Office (www.dpmc.govt.nz ncpo@dpmc.govt.nz)

