



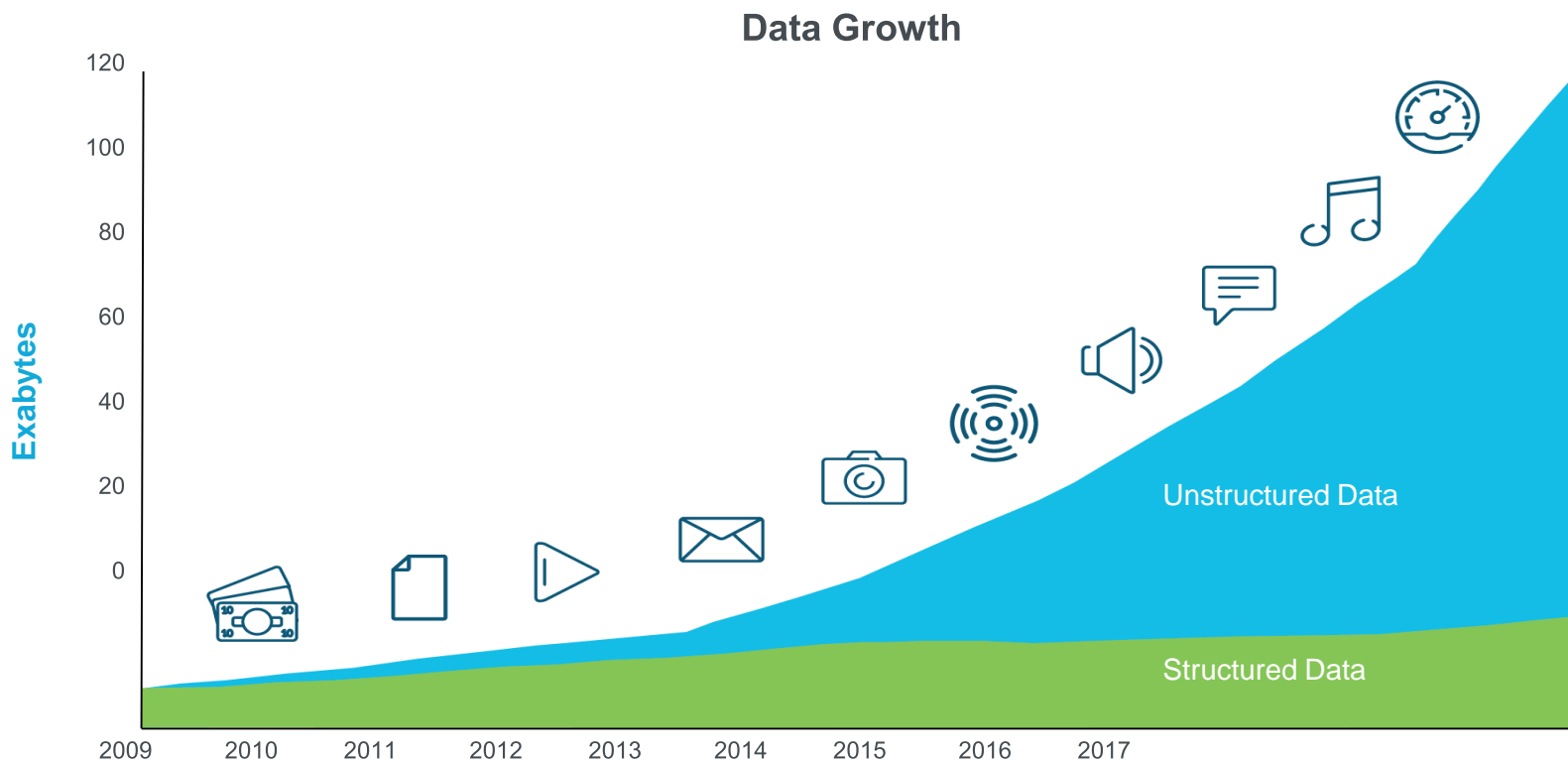
How robust is your cyber security ?

November 2019

Where are the risks

- The internet
- Emails
- Hackers (targeted attacks)
- Hackers (Call Centres)
- AI
- Users
- Disgruntled employees
- Employees moving to a new employer
- Your family

Data Growth Challenges



*Source: IDC

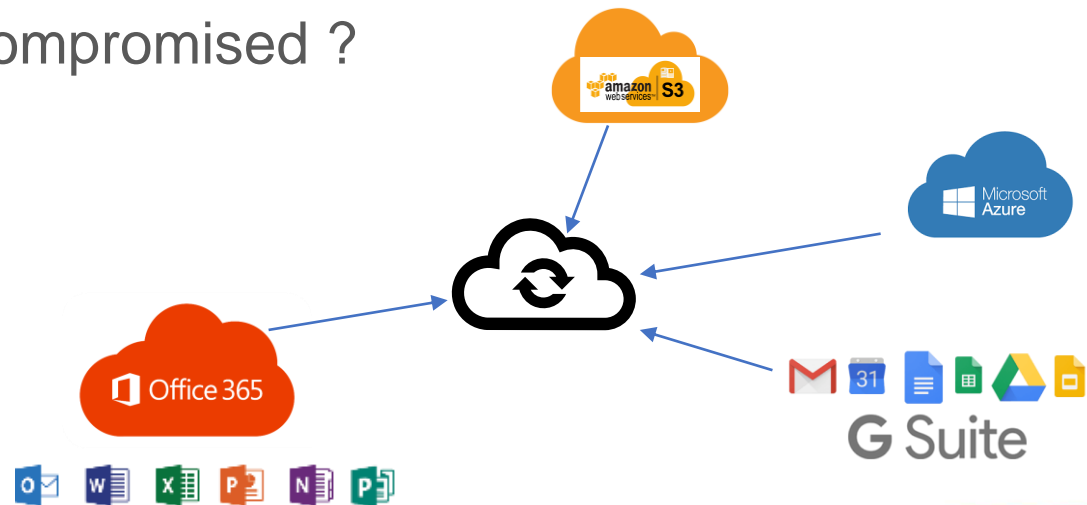
Source: IBM Report*
IDC 2025 Forecast**

What should you have in place ?

- Firewalls (not the one from you ISP)
- Anti-virus/Anti-spam
- Do regular updates
- Backup servers and workstations locally and in the cloud
- VPN connectivity
- No open RDP
- Backup your cloud applications
- Encrypted hard drives
- Check your security

What does this mean to your business ?

- How much will this cost your business ?
- Do you have a business continuity plan ?
- Can you work without an computer system ?
- Who needs to know ?
- What has been compromised ?



Top International known hacks in 2018

- MyHeritage — 92 million
- Quora — 100 million
- MyFitnessPal — 150 million
- Exactis — 340 million
- Marriott Starwood hotels — 500 million
- Aadhar — 1.1 billion



Ransomware Damages

- \$5B in 2017, Growing to \$11.5B in 2019
- 77% of organizations experienced cyber-attack while running up-to-date security solutions

New Zealand known attacks

- Spark around 21,000 customers details were stolen
- kiwipainting.co.nz, maori.org.nz, millenniumcareers.co.nz + 4 others
- Cryptopia lost over \$20 million from a hack (they are now closed)
- RDP access opened for software install (crypto)
- Email attack for a NZ hardware vendor (crypto)
- Global company with office in NZ. Compromised in Europe, spread via the WAN to multiple sites
- Dropbox infected from NZ spread to all connected users
- Bank transfer for Aeroplane purchase

New Zealand known attacks

- Spark around 21,000 customers details were stolen
- kiwipainting.co.nz, maori.org.nz, millenniumcareers.co.nz + 4 others
- Cryptopia lost over \$20 million from a hack (they are now closed)
- RDP access opened for software install (crypto)
- Email attack for a NZ hardware vendor (crypto)
- Global company with office in NZ. Compromised in Europe, spread via the WAN to multiple sites
- Dropbox infected from NZ spread to all connected users
- Bank transfer for Aeroplane purchase

Then what ?

- Remove all access to infected devices
- Call your IT support person
- Is it 'real' ransomware on your computer.
- Try to get rid of ransomware from your computer
- Restore your system from your most recent backup.
- Reinstall your operating system if you don't have a backup
- Restore your computer to factory defaults
- While you don't have a legal obligation to report any breaches or hacks, it is best not to put your head in the sand.
- Let any customers or suppliers know that might have been effected.

Questions

CLENDONS
BARRISTERS & SOLICITORS

 **crombie®**
lockwood
Insurance Brokers

 **ITLive**

