

Cyber security

What does it mean for you?

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Bringing ideas to life



The challenge of the world we live in

Size of the challenge

2,200 cyber attacks per day – an attack every 39 seconds



91% of cyber attacks begin with a spear-phishing emails (KnowBe4)



In 2021, 76% of exploited vulnerabilities related to flaws from 2019 or earlier (Ivanti) and 18% related to vulnerabilities disclosed in 2013 or earlier



Humans are the root cause of 82% of data breaches (Verizon)



By 2025 the world will need to protect over 200 zettabytes of data (Cybersecurity Ventures)



How easy is it?



Personal Identifiable Information (PII) go for roughly \$200 per record



\$50 will buy you malware with a tutorial on how to use it



You can purchase a ransomware kit from \$40 per month. If you're willing to pay a few thousand dollars per month you'll get free updates, customer support, in depth tutorials and a service desk

Why would someone want to attack a library?

Information Services

- Do you trust the source of your data
- Is the information source protected appropriately that allows the right level of access to the right people
- Where is your data hosted (regulation & reporting regimes)
- Do you provide public internet access – can these terminals access internal information

Customer Data

- Do you collect private information of members (proof of ID, birthdates, gender, interests)
- How often do you disable or delete legacy data associated with users

Cyber hygiene

- When was the last time you patched your systems – both Operating System and Applications
- Are your databases encrypted

Prevention is better than the cure

You and your teams can:

- Patch management
- User management / User hygiene
- Legacy data hygiene
- Password handling
- Network segmentation
- Back ups – how often, when did you last test them and recover a full system
- Staff training – Security Awareness and culture
- Team sport



Questions