

Cyber Security Made Easy: How SaskTel Can Help

2023 SARM Mid-Term Convention
November 8, 2023

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| Business Solutions |



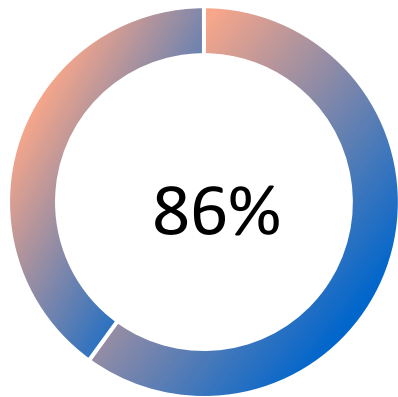
Question 1:

What international entertainment company was the recent victim of a massive cyber attack?

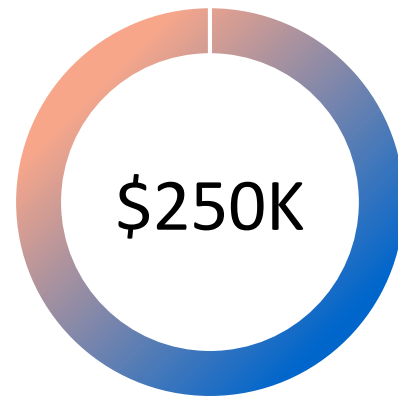
- A) Disney
- B) Universal Studios
- C) MGM Resorts
- D) Netflix

Alarming Cyber Security Statistics

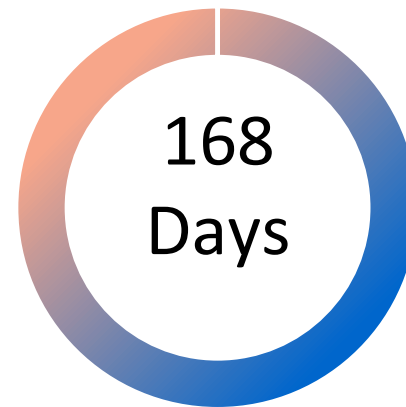
Increase in
Attacks



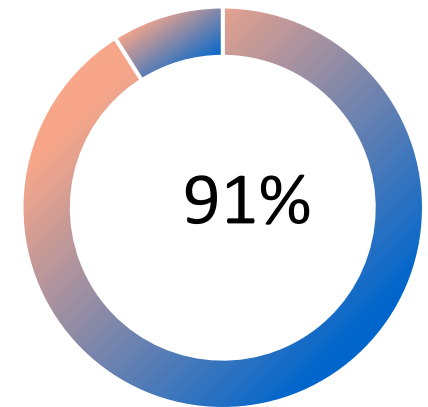
Cost of
Attacks



Dwell Time



Money & Run



“The reason municipalities are so attractive, is that they’re dealing with sums of money far more substantial than an individual, often reaching into the millions. They also store citizens’ private data through bylaw, permitting, and other services.” Ali Ghorbani, a cyber security professor at the University of New Brunswick and the director of the Canadian Institute for Cyber Security.

Question 2:

Has your municipality been impacted by a cyber attack?

- Yes
- No
- I don't know
- I know of another Saskatchewan municipality that has had a cyber attack

Cyber-crime will grow with the monetization of secure/private information



2023 Dark Web Prices (USD)



Bank account info
\$1000 and up
Depending on the
Account type and balance



Medical Record
\$50 and up



Credit card data
\$70



Hacked Gmail account
\$60



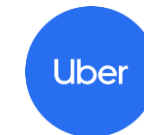
Driver's license
\$140



Hacked Facebook account
\$25



Hacked Twitter account
\$20



Uber Driver hacked account
\$30



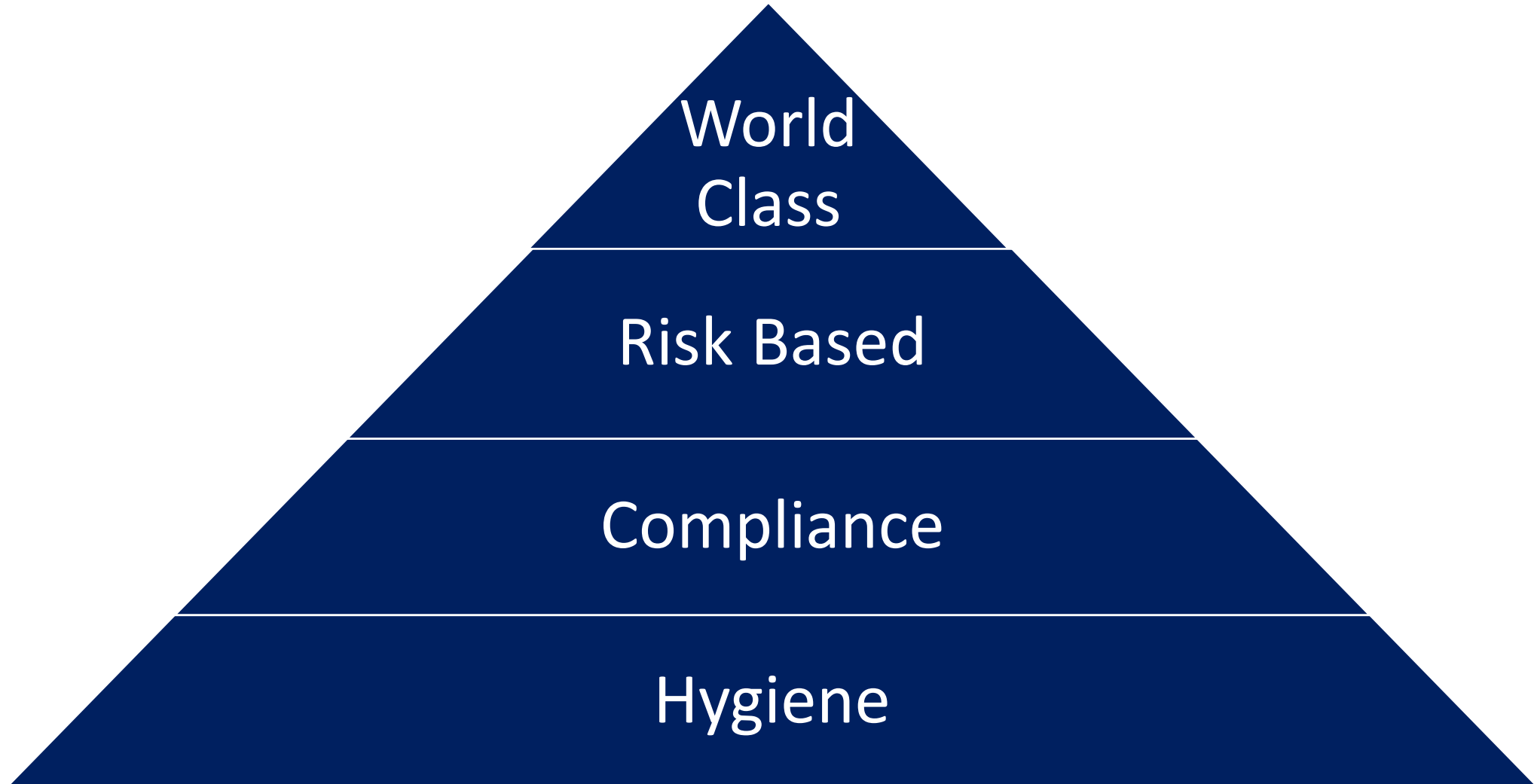
Malware development
\$4500
Premium-quality
Per 1000



Instagram hacked account
\$25

Source: PRIVACY Affairs: Dark Web Price Index 2023

Security Pyramid



Cybersecurity

Who and Why

Who is being Targeted & Why

Exposure for RM's

Impacts of an attack



Cyber Security Insurance

Customers have started to approach us for technical assistance in their bid to apply for Cyber Insurance

Requirements are becoming more rigorous – boxes must be ticked

Help to “harden their security posture”

2 factor authentication is foundational – but some providers say it’s not possible to reduce premiums





CYBER INSURANCE APPLICATION

TECHNICAL ASSESSMENT:

7. Do you have anti-virus deployed across your network?

☐ YES ☐ NO

8. Are firewalls deployed at all endpoints?

☐ YES ☐ NO

9. Do you take regular back-ups (at least weekly) of all critical data and store the same offsite or in a fire-proof safe, or does your outsourced service provider meets this requirement on your behalf?

☐ YES ☐ NO

10. Do you require the use of 2 factor authentication for all remote access?

☐ YES ☐ NO

11. Do you encrypt all mobile devices and laptops which are used to store personal data?

☐ YES ☐ NO

12. Are access controls employed using the principle of least privilege?

☐ YES ☐ NO

13. Are you currently up to date with any relevant regulatory and industry framework? (e.g. Payment Card Industry (PCI), PIPEDA, CAN-SPAM Act, CPA or similar)

☒ YES ☐ NO

14. Do you have a process in place whereby checks are in place to ensure that any website or print content does not infringe on any trademarks or copyrights?

☐ YES ☐ NO

15. How do you protect personal data? (e.g. Access controls, segregation, encryption)

CLAIMS/CIRCUMSTANCES:

Question 3:

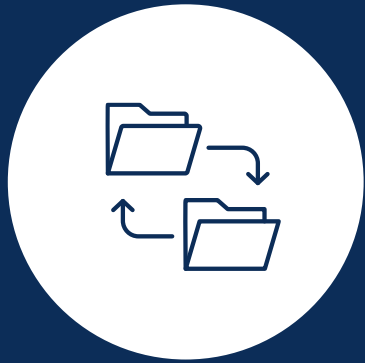
How does your business back up your data, information and systems today?

- USB or hard drive (manual)
- Cloud provider
- Microsoft OneDrive
- I don't know

Everyone
has a
backup
solution



SaskTel Cloud Backup



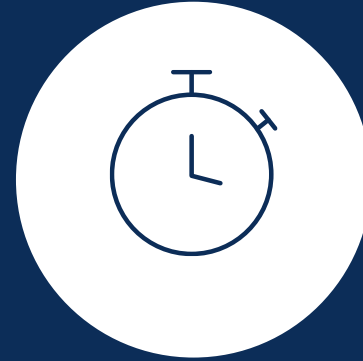
Single Solution

Covers:
Servers
Devices/Laptops
Office 365



3 Copies

Stored in 3 different
data centres
30/90/180 days
Or even 1 year



24 Hour Backups

Recovery Point
Objective



Protection

Ransomware detection and
protection enabled

Kyle McMunn – Wheatland Library

Straight forward

“I didn’t have too much of an issue grasping it and we were able to reach out to SaskTel and set up an online meeting to show me the finer details of how it all worked.

Efficient Software

“Cloud Backup does its work in the background, leaving me free to focus on admin and budgeting concerns. The software is so efficient that I don’t need a lot of people trained on it.”

Hands-free, no worries and data safety

“Wheatland is committed to privacy and data security. We need to keep sensitive human resources and payroll information stored here in the province of Saskatchewan.”

Cloud Backup is affordable and local

“I can see exactly how much data is being stored, the specific files that are backed up, and how much the library will pay in real time. I know that SaskTel is working for the people here in SK and my money is going back into the province as a whole.”

Security Bundles

Essentials Bundle



Antivirus



Endpoint



eMail protection



Cloud backup



Firewall

Enhanced Bundle



Training



Phishing



Scanning



Consultation



SOC

Thank you



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