BUILDING THE FUTURE

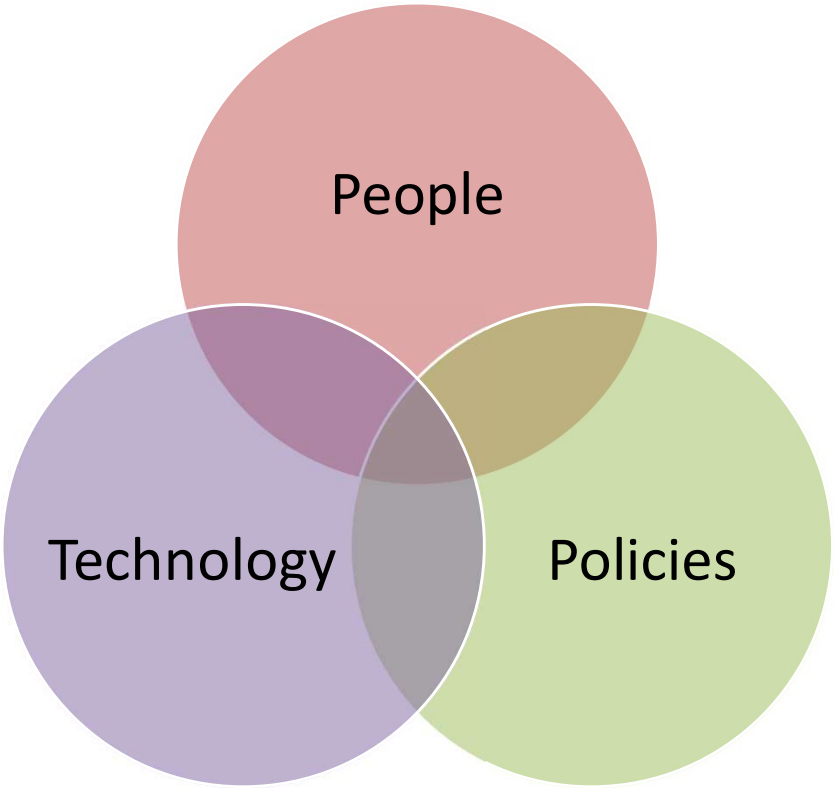
Innovations in Certification & Building Surveying

DON'T PANIC:

The Nerd's Playbook for Keeping Calm and Protecting your Digital World

JOEL SCULLY

Elements of cybersecurity



Threat types

- Social Engineering
- Phishing Attacks
- Ransomware
- Malware
- Insider Threats

- Man-in-the-Middle (MitM) Attacks
- Denial of Service (DoS and DDoS) Attacks
- SQL Injection
- Zero-Day Exploits
- Unpatched Software

Multi-Million Dollar
Cyber Budget
Password Reuse

Keep your secrets

If it’s free you’re the product

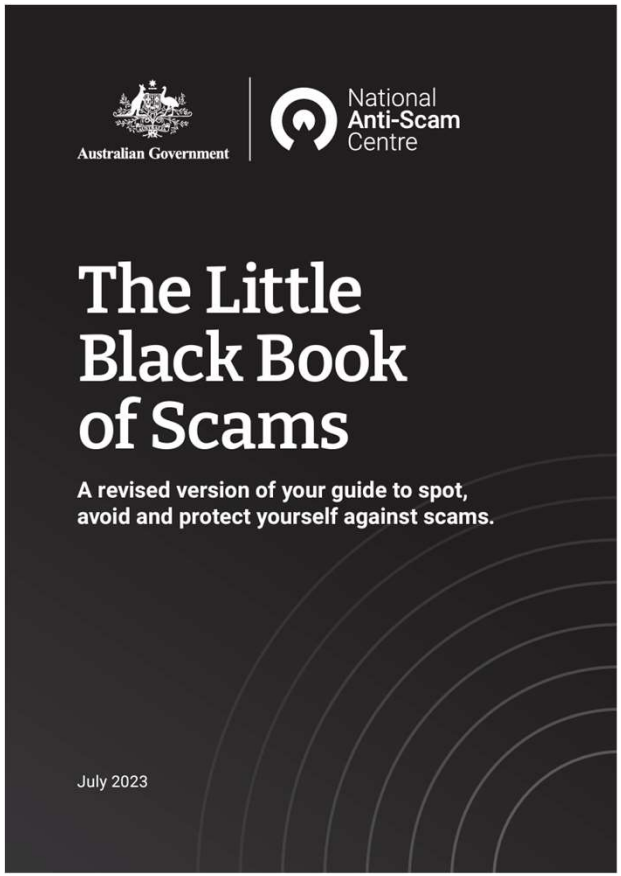
If it’s not free you’re also the product

Don’t give out details if you don’t need to

User Security Tools

TRUST NO ONE

Not just at work



Education is Key

- Regular recurring training engagements
- Relevant, curated and updated content
- Measured Results

ASD Essential 8

The Australian Signals Directorate has prioritised mitigation strategies to help organisations protect themselves against various cyber threats. The most effective of these strategies are referred to as the Essential 8.

You can assess your security posture versus your risk appetite to determine your maturity model and apply any security hardening and cyber resiliency measures required.

The simple ones

Configure Microsoft Office macro settings

Patch operating systems

Patch applications

The serious ones

Application control

User application hardening

Restrict administrative privileges

The SUPER serious ones

MULTI FACTOR ON EVERYTHING

TESTED BACKUPS & DISASTER RECOVERY

Business Essentials

- An email security filter service
- Automated patch management
- AntiVirus + Endpoint Detection and Response (with a SOC)
- A regularly tested backup process
- A managed IT service

Helpful Tools

For real this time, I promise

- **Microsoft Secure Score**
  security.microsoft.com/securescore
- **Have I Been Pwn3d?**
  haveibeenpwned.com
- **ASD Essential 8**
  cyber.gov.au
- **Scamwatch**
  scamwatch.gov.au
- **Darknet Diaries podcast**
  darknetdiaries.com

Takeaways

- Training is critical
- Be skeptical, ask IT
- MULTI FACTOR
  ON EVERYTHING
- TEST YOUR DRP & BCP

Keep In Touch

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It's now safe to turn off
your computer.