If you liked it, you should have put security on it

Zoë Rose and Dean Kelshall
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Whoami

- Ethical hacker
- Certified Splunk Architect and Cisco Champion
- Focused on human behaviour and understanding motivations in regards to cyber security

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- 5 Years at Baringa as a Consultant
- Cybersecurity, Architecture and Smart Metering
- Passionate about the organisational challenges for cybersecurity

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Agenda

► How did we get here
► What's going on
► Demystify Hackers
► Lesson 1: Identify the right people
► Lesson 2: Speak the same language
► Lesson 3: Maintain your cyber security programme
► Where to start in our personal and professional lives
How did we get here?

Fail by Design

- How many people do you talk to in a day?
- How many apps do you use to connect?
- Designed to ‘just work’
- Inbuilt anonymity, leads to abuse

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What is going on in our world?

Increasing Vulnerabilities

Increased Breaches

Increasing Regulation

Increasing Agency

Consumer Choice
- Right to be informed
- Right of Access
- Right to Erasure
- Granularity of Controls
- Personal Choice

Designed to Collaborate
- Information Sharing
- Anonymity
- Difficult to Prosecute

Innovation
- Rapid Market Entry

Innovate to Collaborate

Information Sharing
- Anonymity
- Difficult to Prosecute

Increasing Awareness

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Demystifying Hackers

Black hoodies, Balaclava, Pickaxe

- Mind-set
- Resourcefulness
- Passion
- Technical Skills
- Toolkits

Resourcefulness

Inherent Trust

Curiosity

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Have the right people

Lesson 1

▲ Stop hiring in your own image
▲ Diversity
▲ Culture
▲ Invest in your talent

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Speak the same language

Lesson 2

Executives

- Little Time
- Big Picture
- Business First
- Cybersecurity Novice

Security Practitioners

- Complex, Acronym Heavy
- Detail Oriented
- Cybersecurity First
- Low Business Awareness

“Are we secure?”

“It’s not that simple.”

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Speak the same language

Lesson 2

Executives – Learn a little bit about the topic

Cybersecurity is not an absolute

Use a common language – Risk

Build Trust – have the evidence to hand

“What’s the risk?”

“It’s risky.”

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Maintain your cyber security programme

Lesson 3

Corporate Controls and Policies

People and Culture

Maintenance and Growth

Rinse and Repeat

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Maintain your cyber security programme

Lesson 3

1. Seek Assurance
   - Validate what has been done, has been done correctly

2. Monitor Performance
   - Govern and review your security
   - Use reports, dashboards, KPIs

3. Continuous Improvement
   - It’s never perfect so always improve
   - Get 1% better every day

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Where to start in our personal and professional lives

Security vs Usability

Stalk Yourself → Take Back Control → Conscious Social Media Use → Empower Your Users → Success

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