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Information Security

How do you Rate?

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Agenda

- What is Information Security?
- Why have it?
- How Secure are your Information Assets?
- Accessing Corporate Information
- Social Engineering
- How do you Improve Security?





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A Quick History

- Once upon a time corporate networks were relatively secure.
- Worst fears were the introduction of viruses from foreign media





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The Changes

- Mass connectivity to the internet
- Wireless and mobile computing
- Thirst for bigger and better technology





What is Information Security?

Information Security relates to the:

- Confidentiality, integrity and availability of information
- Only a small part of securing information is about technology.



Information Security is a People Issue



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What is Information Security?

- The best security technology in the world will not secure your information assets if the people who work with that information do not understand how it should be secured!



Information Security is everybody's responsibility!



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Why have Information Security?

- The two most valuable assets any organisation has are:

Information

People

- Can you afford to have one your most valuable assets tampered with?





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Why have Information Security?

- Does your organisation have any information that you wouldn't want to see printed on the front page of the Advertiser?
- If the answer is yes, you need to look at how that information is secured.





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Personnel Security

- 70% of all damage to corporate information and networks is perpetrated from within by current employees.
- Disgruntled employees who have recently left the organisation are a threat from the outside.
- A large number of Australian organisations do not know if an attack has come from the inside.





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Personnel Security

- Do you have induction processes, exit strategies?
- Is security included in job descriptions?
- What security training do you offer employees?
- How would you respond to a security incident in your organisation?





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Accessing Corporate Information

- Do you have users who access the network remotely?
- How do they connect?
- Do you have third party providers who access your system?
- Is there an authorisation process?
- Is it a dial up connection?

All external connections should be authorised and secured





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Social Engineering

- Controlling access to your systems is about training your people about social engineering
- Social engineering is the exploitation of human conditions such as curiosity, the desire to help, respect for authority and the pressure to perform.





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What can we do to Improve Security?

- Accept that information security is primarily about human behaviour
- Be aware of the risk and implement security awareness programs that address the 'people' risks
- Implement network and physical access policies and procedures
- Use appropriate technology solutions
- Be a champion for the cause!