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REAL AND RELEVANT SECURITY

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WHAT IS AT RISK?



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DO YOU KNOW YOUR THREAT?

External

- Nation state
- Organized Crime

Internal

- Environmental
- Information Technology Infrastructure

Employee

- Disgruntled
- Unknowing

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DO YOU KNOW YOUR ASSETS?

Hardware

Company

BYOD

Software

Company
owned

SAAS

Data

Intellectual
Property

PII/PHI/CC

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DO YOU KNOW YOUR VULNERABILITIES?

External

- Web site coding
- Misconfigured equipment
- unpatched

Internal

- Patching
- Unknown applications
- BYOD

Employee

- Training?
- Fraud
- Knowingly exfiltrating Intellectual Property

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THINGS TO THINK ABOUT?

- Do you have firewalls?
 - Are they Application firewalls?
 - Are they installed to any framework or industry standard?
- Do you control internet access?
- Is your network segmented or flat?
- Do you patch more than just Microsoft?
- Do you have any monitoring capability?
- Are you doing end user security training/validation?

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WHAT FACTORS ARE LIMITING YOU?

- Lack of management support?
- Budget restraints?
- Lack of Personnel and correct skills?
- Lack of Visibility to what's on your network?
- Alert fatigue?

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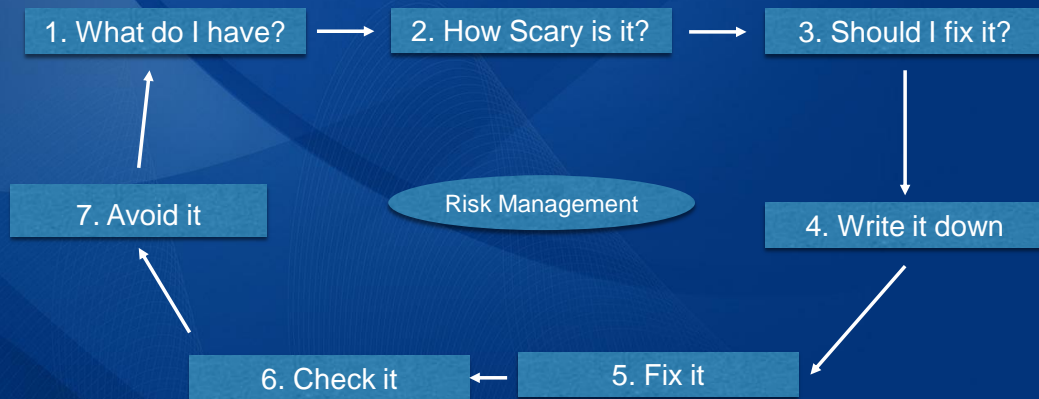
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TRENDS AND REAL STORIES

- Experian and rippling effect

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EXAMPLE RISK MANAGEMENT PROGRAM



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THREE PILLARS OF SECURITY

- **Defend**
 - Activities or equipment that defend your IT services by either eliminating vulnerabilities or actively blocking malicious activities that are known.
- **Detect**
 - Detection and analysis of possible malicious activity. This can lead to defensive action
- **Comply**
 - Activity and analysis required by Government Compliance requirements. These can further heighten the security awareness/stance of an organization

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PILLAR 1: DEFEND

- Defensive activities
 - Operational Patching
 - Endpoint Protection
 - Firewall Management
 - Email Security
 - URL Protection
 - Intrusion Protection Service
 - Network Access Control
 - Identity, 2 Factor, controlled access to network

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PILLAR 2: DETECT

- Detection activities
 - Incident response assistance
 - Network Intrusion/Breach Detection
 - Bot-Net Detection
 - SIEM (Servers, Desktops, Network Devices)
 - Host Intrusion Detection
 - Asset Discovery (know what's on your network)

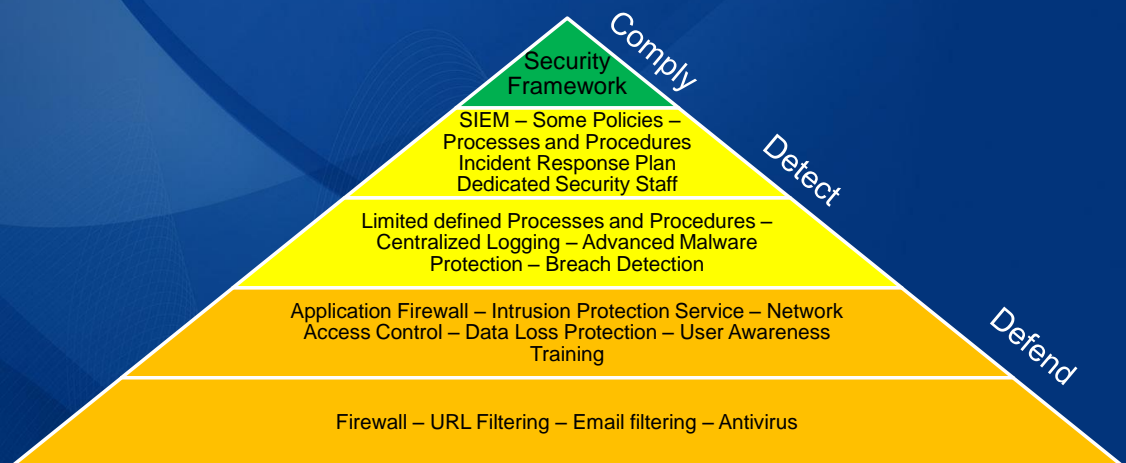
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PILLAR 3: COMPLY

- Services that address compliance needs
 - Asset Management
 - Vulnerability Management
 - Log Management/Forensics
 - Compliance Reporting (PCI, HIPAA, FIEEC, ISO 27001, etc.)
 - File Change Monitoring

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MATURITY PYRAMID



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TAKE HOME QUESTIONS

- Who is accountable/responsible:
 - Risk Management?
 - Data Classification
 - Infrastructure Security
 - Incident Response
- Do you have and follow Policies/Procedures/Processes?
- What makes your company special? Are you protecting that critical asset?

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