

RISK SPECTRUM

Risk is a Business Decision



KNOW JACK OR GET HACKED

Continuously Evolving

- What's on the network
- Host and Flow Data
- Who's using the system
- Automate notifications



- When did someone access the data
- How are they using the data
- How is it stored & transmitted

LOWER RISK

Take these steps to lower your risk

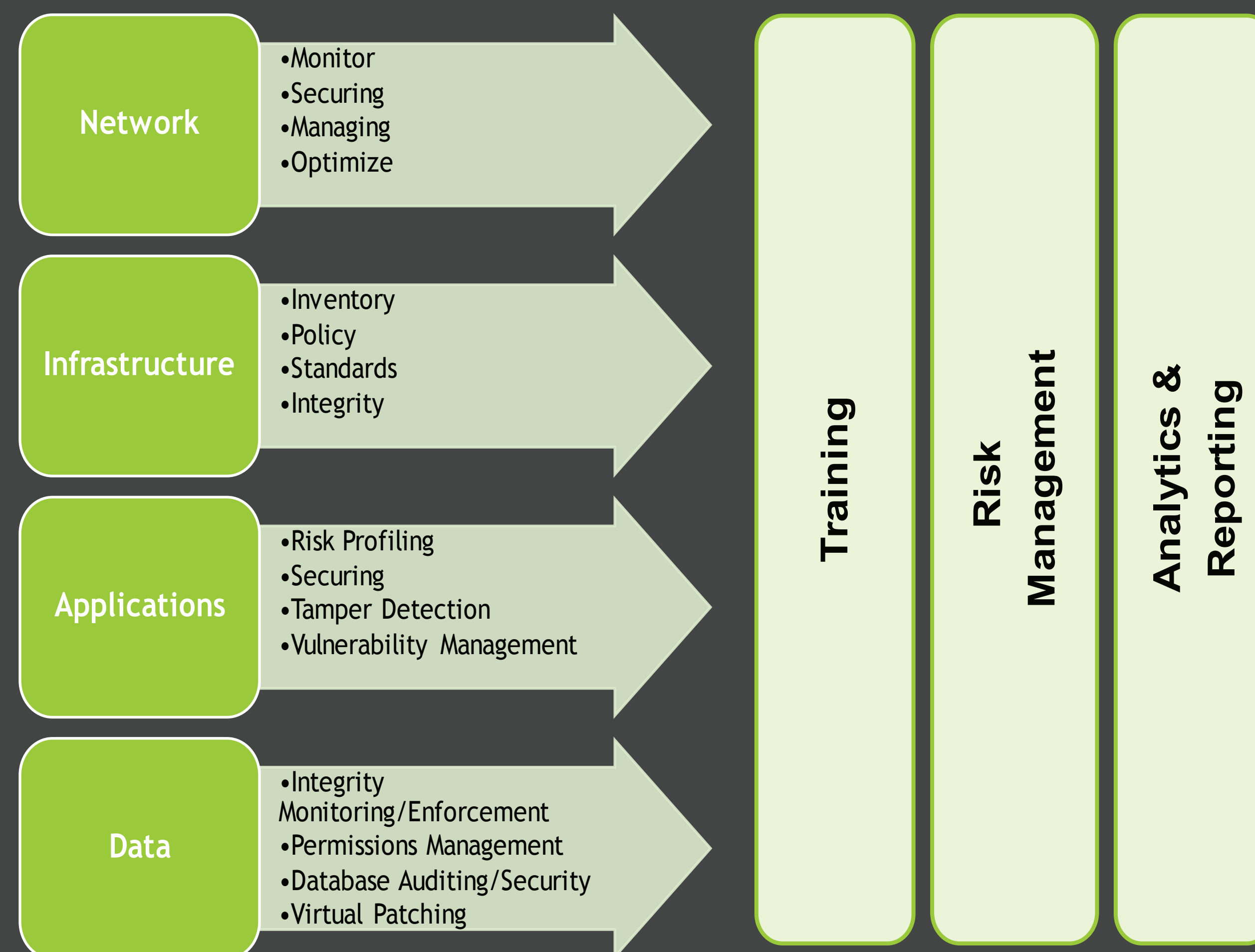
Passwords	Web	Social Engineering
<ul style="list-style-type: none"> Audits Two Factor Configuration Management Recurring Assessments Awareness / Training 	<ul style="list-style-type: none"> Development Lifecycle Critical System Protection Web Application Firewalls External Pen-Test/Assessment 	<ul style="list-style-type: none"> Awareness / Training Annual Surveys Two Factor Procedural Assessments

<http://cbihome.com>

BYO-INSECURITY TO BYO-SUCCESS

LAYERED PROCESS

BYO - Requires a layered approach to managing all aspects of data Confidentiality, Integrity, and Availability



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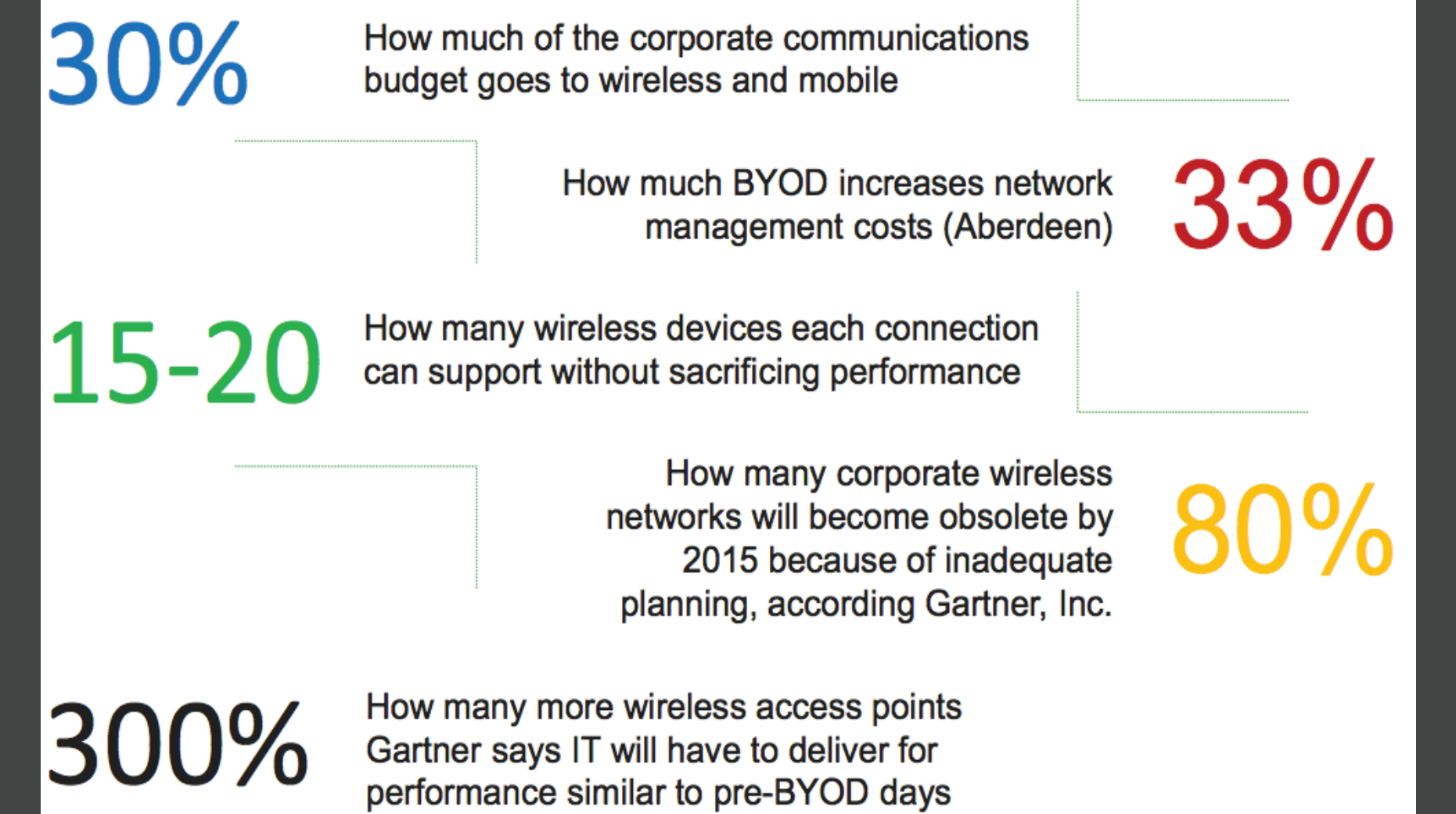
USER EDUCATION KEY

34% of employees store sensitive data (i.e. work passwords) on their mobile devices

less than 6 in 10 will reset lost passwords

69% of SMBs don't currently have a security solution for BYOD

WIFI ISSUES



WIFI SUGGESTIONS

Use WIDS 2.4 GHz and 5 GHz

- Test capacity and coverage
- Prevent automatic association with ad hoc networks
- Use 802.1X
- Hardwire Apple TV - Bonjour if possible
- Don't use default values SSID / Password
- Turn off WiFi during extended non use times
- SOHO don't use WPS
- Monitor vendor updates and apply patches
- Use (SNMP) v3, Secure Shell (SSH), and SSL
- Manage bandwidth hogs

BANDWIDTH MITIGATION

Software/Hardware:

- LANGuardian
- Wireshark
- Wireless / Switch Vendor

Appliance Base:

- NET Equalizer <http://tinyurl.com/p2g4j8g>
- Exinda <http://tinyurl.com/ln4kzoc>
- Procera <http://tinyurl.com/lb8yf4u>

City of Chattanooga

IT. Security

Compiled By Ernest Staats



More Resources @ <http://networkpaladin.org>