

PSARN

Management & Engineering

White Hat in a Black Hat World

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:- ACS 2012 Conference :-

Cyber Security Basics



The Status Quo



Introducing Managed Services



Supporting the Business Case



Concluding Next Steps



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Black Hat World

Basic Cyber Security Defence

Firewalls

Anti-Malware

Intrusion
Detection &
Prevention
Systems

Vulnerability
Management

Education and Training

Compromised Organisations

*Small
Business*

*Medium
Commercial*

Large
Government

Challenges in Network Security

Understanding Your Security Risk

Pillars of network
security

Security is relative
not absolute

The shift in
security threats



Challenges in Network Security

Protecting Business Assets

Measures of the past
need to meet the needs
of the future

Increasingly pervasive
network connectivity

Information Gathering



Challenges in Network Security

Your Security Team

Relevant and up-to-date experience

Heavy up-keep with evolving threats

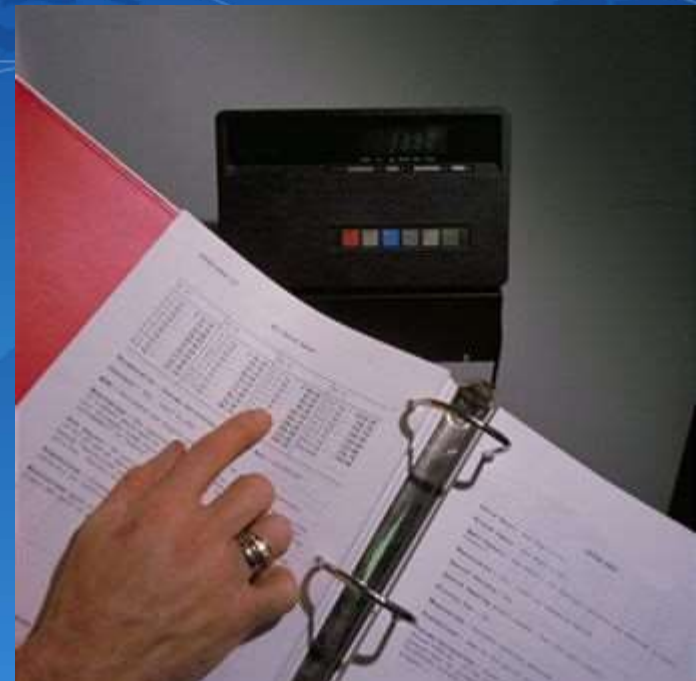


Challenges in Network Security

Regulatory Compliance

Ever expanding list of
policies and
standards

Demonstrate your
compliance to
regulatory authorities



Protecting a Website Proactively

*Review
Files/Content*

*Restrict
Permissions*

Protect Site
Code

Demonstration

Reduce the
convenience of
opportunity

Shift the risk
away fro



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Demonstration



Automated solutions?
- Sure but can they:

Provide accurate and
complete results

Deliver meaningful
information to business

Provide a means of
measuring performance



Supporting the Business Case

Accurate &
Complete

Meaningful
Information

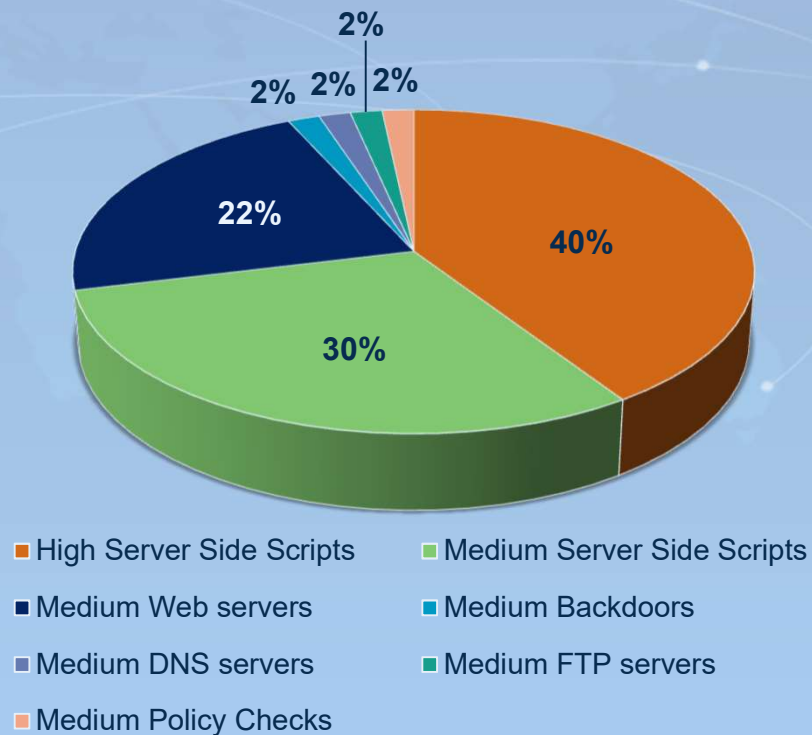
Performance
Measurement

Accurate & Complete
Information

Types of
Vulnerabilities

High Resolution
Results

Vuln Type Frequency



Meaningful Information for Business

Replicable report
formats

Timely Results
with Automation

Continuous
Security Updates



Performance Measurement

Guidance and
Procedures

Independent
Analysis

Review
Documentation





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Take The Next Step

Managed Services Enable:

Education

Detection

Action

Reporting



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Take The Next Step

Assist achieving business goals:

Reducing
overheads

Evolving
Knowledge

Shifting Risk

Enabling
Action

Providing
Measurement

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A stylized world map in a medium blue shade, centered on the Atlantic Ocean. Overlaid on the map are several thin, light blue curved lines that connect various points across the continents, suggesting a global network or communication system. The word "Questions" is written in a bright green, sans-serif font, centered over the map.

Questions