ÜBERGUARD™
IGI CyberSecurity Division

Minimizing Risk Through Vulnerability Management

Presentation for Rochester Security Summit 2015 –
Security Governance Track

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Speaker Bio

ÜBERGUARD™
IGI CyberSecurity Division

Partnering with clients to drive effective cyber risk reduction strategies

- Director of CyberSecurity Sales at ÜberGuard, a division of Infinite Group, Inc.
- Over ten years of applied experience in the software technology industry with a focus on cybersecurity
- Passionate about partnering with clients to address cyber risks and continuously improve cyber security
- Entrepreneur with experience working with all levels of an organization

ÜberGuard/IGI Overview

Leader in proactive security risk management

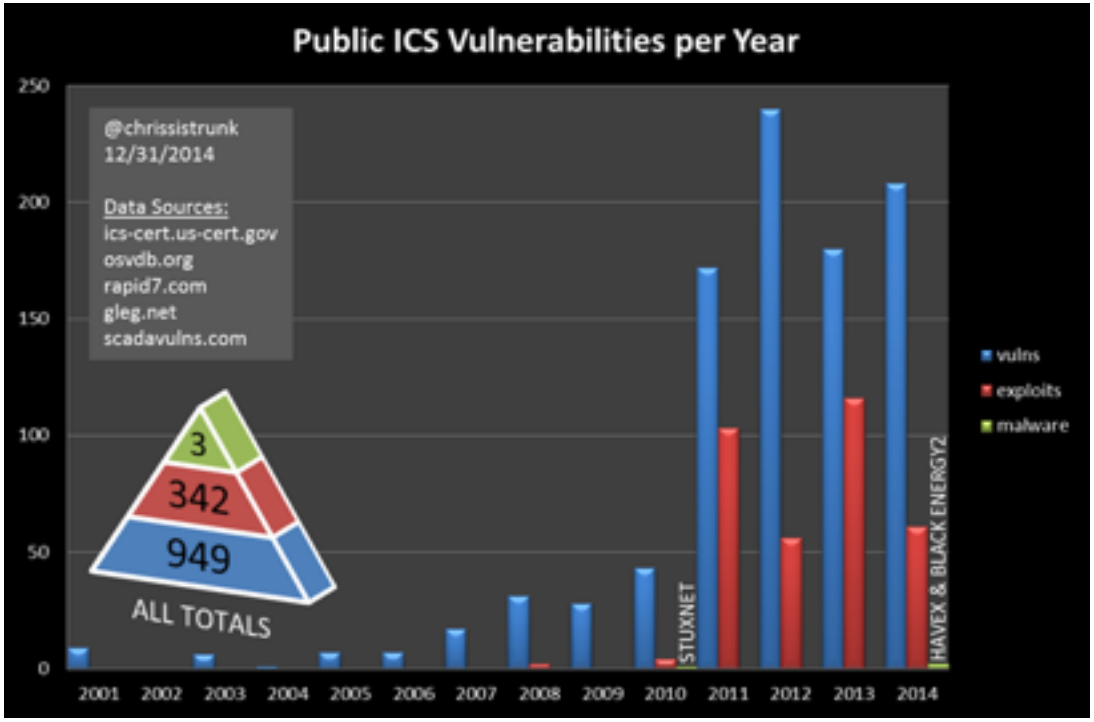
- Proactive management of cyber risks
- Complete visibility of network risks and threat exposures
- Driving continuous vulnerability management and risk reduction

Powerful vulnerability scanning and proprietary reporting technology

- Vulnerability assessment platform – vulnerability identification & reporting
- Complete visibility of network and application risks
- Streamlined reporting drives effective remediation – A report on SQL vulnerabilities, for SQL SME

Fact: We all have (lots of) Vulnerabilities

Exponential Growth in Vulnerabilities in National VD & Open Source VD



- The OSVDB is currently tracking 120,980 Vulnerabilities
- 72,692 CVE vulnerabilities in national vulnerability database

Staggering increases in number of Zero Day Threats discovered YOY

- Number of “Zero-Day” vulnerabilities discovered per year increasing exponentially
- 1.2 billion successful exploits witnessed in 2015 to date, compared to 220 million successful exploits witnessed in 2013 and 2014 combined – an increase of 445 percent

Vulnerability Management Challenges

- Vulnerability data overload, unwieldy reporting
- Limited resources & bandwidth constraints
  - Reactive “whack-a-mole” vulnerability management
  - Weak, nonexistent VM Policy
- Finding vulnerabilities
  - Need multiple scanners to cover bases
- Eliminate False +’s & –’s

Challenges - Time and Money

- Cost to ignore vulnerability VS. cost to remediate
  - Threat level increases due to lack of remediation
- Exposure
  - Liability
  - Cost to reputation
  - Bottom line (revenue and earnings)
- Lack of comprehensive knowledge of issues
  - Force tough decisions
- Can you afford a breach?

Risk Manager's Responsibilities

- More expansive domain to maintain
- Any IP address is a potential vulnerability
- Assess ALL points
  - Not just internal ones
- What to do with the information
- Identification is only half the battle
- Constant attention and diligence is required

The risk manager's world is expanding

Managing risk in today's environment

- Are you the Risk Manager?
- Who is a Risk Manager?
- Network security responsibility
  - If something fails, who gets blamed?

What is the chain of command?

Assessment of Issues – Now what?

Remediation challenges
- Prioritization
- Time and sense of

Lack of centralization
- Who owns the problem and the

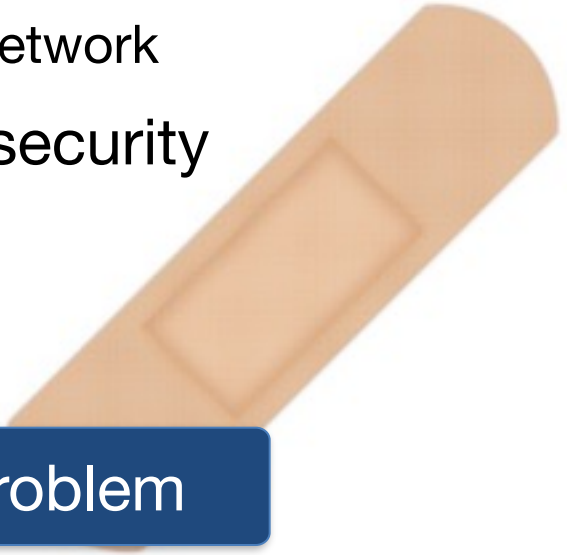
Methods to determine if remediation was successful

Next Gen Vulnerability Management

- Proactive vulnerability identification and discovery
- Analysis, prioritization and reporting
- Remediation and threat mitigation
- Post-remediation validation and baseline
- Monitoring & active threat management

Will the Status Quo be enough?

- Standalone systems only provide spotty assessment
  - Available tools not integrated to execute all safeguards
- Forces Risk Manager to be a fortune teller
- Disconnected view of network leaves room for error
  - Essential to understand all aspects of network
- Reactive mode is not conducive to security
  - Poor use of limited resources



Bandages do not fix the problem

Options for Consideration

- A holistic approach can ensure increased security
  - Streamline policy configuration management
- Implement workflow improvements
  - Isolate problems and target for remediation
- New tools and policies can combat threat
  - Vulnerability assessments offer active view of network
- Be proactive not reactive to threats
  - Scan, Report, Manage

Implementing an Effective Strategy

Scan
- Create policies to scan for vulnerabilities
- Execute scans

Report
- Meaningful
- Relevant
- Actionable

Manage
- Determine actions for moving forward
- Remediate

So, are you a forward thinker?

- Comprehensive management program minimizes risk
  - Holistic approach ensures broader security
  - Focus on Vulnerability, Assets, Threats
- Streamline policies and configuration management
- Use all tools available
  - Strategically manage vulnerabilities
  - Scan, Report and Manage
  - Consolidate tools for best impact
- Become Proactive not Reactive

Stop by our booth