The Security Staff and Skills Shortage is Worse than You Think!

Jon Oltsik
Senior Principal Analyst, ESG
@joltsik
Problematic Shortage of IT Security 2012-2014

- 2012: 25%
- 2013: 23%
- 2014: 25%
Security Staff Hiring Plans 2012-2014

- 2012: 36%
- 2013: 39%
- 2014: 42%
It is extremely difficult to recruit/hire information security professionals, 18%

It is somewhat easy to recruit/hire information security professionals, 15%

It is somewhat difficult to recruit/hire information security professionals, 65%

Don’t know, 1%

It is extremely easy to recruit/hire information security professionals, 1%
Areas of Information Security Skills Shortage

- Cloud, server virtualization security: 43%
- Endpoint, mobile device, & network security: 31%
- Data security, analysis/forensics: 30%
- Emerging threats/malware: 28%
- Application security: 25%
- Security operations: 23%
Impact on Security Management & Operations

- Infosec team: Too much time firefighting - 30%
- Lack of skills: IT team - 24%
- Lack of skills: Infosec team - 19%
Impact on Incident Detection/Response

- Lack of adequate staff: 39%
- Too many false positives: 35%
- Too many manual processes: 29%
- Too many independent tools: 29%
- Events are too hard to detect: 28%
- Lack of security analytics skills: 28%
Other Impact

• Poor understanding of modern malware threats
• Increased use of professional services
• Inadequate use of security technologies
• Frequent human error
• INCREASED RISK!
Changes to Security Technology Strategy

- Design/build an integrated infosec architecture: 44%
- Include new data sources for infosec intelligence: 39%
- Buy security suites: 24%
- By from fewer vendors: 22%
CISO Recommendations

• Improve the work experience for infosec pros
• Integrate security into the corporate culture
• Look for opportunities to outsource
• Look for intelligent “turnkey” technologies
  ▪ Integration
• Automate tasks
Jon Oltsik, Senior Principal Analyst
508.381.5166
jon.oltsik@esg-global.com
@joltsik