Addressing the Cyber Security Skills Gap with Managed Defense

Stanley Parret
Principal Consultant for FireEye Managed Defense

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Andy Smith
Manager of Cybersecurity Operations at Sallie Mae
Introduction

- The shortage of cyber security workers continues to be a major concern. Unfilled cybersecurity jobs are expected to reach 1.8 million by 2022, up 20% from 1.5 million in 2015, according to the Center for Cyber Safety and Education. It’s also difficult and costly to find, hire, train and retain security experts to protect against threats 24x7x365.

- Join Stanley Parret, Principal Consultant for FireEye Managed Defense, along with Andy Smith, Manager of Cybersecurity Operations at Sallie Mae and Sanjeev Sah, CISO at Medical University of South Carolina, to hear real world examples of how enterprises are using Managed Defense to protect more with less, in order to meet this challenge head on!
Your Presenter: Stanley Parrat

Today:
- Principal Consultant with FireEye Managed Defense
- Specialties: Incident response and Penetration Testing

Before FireEye:
- Consultant, Foreground Security
- Cyber Attack Operator, United States Air Force (10 years)

My Cyber Security Philosophy:
- Information security more than just a career path
- Passionate about solving the latest cyber security problems for customers
- Love the challenge of keeping pace with attacker ingenuity, resourcefulness

“Innovate or Die”
The Cyber Security Skills Gap
The Most Pressing Issue in Cyber Security

3.5m
unfilled jobs by 2021\(^1\)
Growing at 400k jobs per year

326k
Computer Science Graduates annually (US, India, EU)\(^2\)

\approx$150\text{ bn}
Frustrated Security Operations Spend

\(^1\) CSO Online June 8, 2017
\(^2\) National Center for Education Statistics, OECD, Statista.com
Impact on the CISO

- Hard to hire, train, retain
- Many gaps, limited headcount
- Untested Teams
- Increased business exposure
- Management Overhead
- Career Risk

3.5m unfilled jobs by 2021
The Gap’s Effect on Security Teams
Effects of the Skills Gap

- Increased Workload
- Less Time for Critical Tasks
- High Rate of Burnout
- Increase in Breaches
The Skills Needed to Address the Gap
FireEye Helps Organizations Address the Gap

FireEye Managed Defense is a managed detection and response (MDR) service that leverages the full power of FireEye to relentlessly protect our customers from impactful cyber attacks.
Addressing the Gap with Managed Defense

**INTEL**
We know more about cyber-attacks than anyone else

**HUNTING**
We comprehensively hunt for hidden attacker activity

**PRIORITIZATION**
We identify the most critical alerts that must be responded to immediately

**RESPONSE**
We investigate thoroughly (answers) and guide your response
Managed Defense is more than Front Line Analysts. It is Hunters, and Threat Assessment Managers, Incident Responders, Researchers - all of whom are supported by teams of expert support groups, technical best practices, and operational processes that allow us to scale in ways that our customers need most.
FireSide Chat: Addressing the Gap

Sanjeev Sah
CISO at Medical University of South Carolina

Andy Smith
Manager of Cybersecurity Operations at Sallie Mae
Questions?