Why Companies Fail to Detect and Deter Cyber Criminals

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Cybersecurity Essentials – E32

Session Abstract

Companies spend millions of dollars in new technologies every year and according to a report from Markets and Markets, the cyber security market will grow to $155.74 billion by 2019. The majority of these investments will be in Network, Data, Endpoint, Application & Cloud Security, Identity Management and Security Operations.

In his presentation "Why Companies Fail to Detect and Deter Cyber Criminals", the speaker will define defense in depth and threat-focused approaches and explain intrusions from the adversaries' perspective. The speaker will describe the structure of intrusion, and corresponding model guides analysis to inform actionable security intelligence.

He will review how each phase of intrusion in Kill Chain as cyber security defense is mapped to course of action for detection, mitigation and response. Finally, he will explain the critical elements of a mature security program and how these elements must work together to achieve an advantage over the adversaries.

Target Audience

Skill Level – Beginner, Intermediate, Advanced
Occupational Experience – IT Auditors, Risk, Governance, Compliance, Forensic, Security and Incident Response Professionals.

Speaker Bio

Ed is a Sr. Security Engineer with Risk and Compliance team at Walmart eCommerce, based in Bay Area San Francisco. He has over 18 years of professional experience in IT security, compliance, governance, and risk management in industries such as high tech, retail, and higher educations. He has had many roles and responsibilities including but not limited to IT Director, IT Security Architect, Information Security Engineer, Network Engineer, and Adjunct Professor in Information Security space. Over the years, Ed has served as subject matter expert on security engineering and development efforts to promote best practices and to provide efficient solutions in support of business strategy. He has helped companies to develop and automate processes and his security approach was a main driver that enabled organizations to sustain compliance while optimizing security posture and reducing cost. Ed has a Master's degree in E-Business and a Bachelor's degree in IT.

Ed holds the following certifications: Microsoft Certified Systems Engineer (MCSE), Certified Novell Engineer (CNE), Certified Information Systems Auditor (CISA), Certified Ethical Hacker (CEH) and Certified Technical Guideline Auditor (CTGA).

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