The Current State of Hacking and Data Breaches

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In-Depth Seminars – D22

Session Abstract

The session will focus on real world experience in the area of Penetration Testing, dissecting and analyzing the following components of a cybersecurity breaches:

1) Exploitation – How are attackers circumventing organizational perimeter controls and establishing a beachhead within the internal network.
2) Containment – Once inside, highlight common methods that an advanced attacker can propagate access within internal servers and workstations without alerting the IT department of suspicious activity.
3) Data Exfiltration – Once sensitive information is obtained, what are the common channels in which this information can be sent to anonymous sources around the world.

During each step of the process, the speakers will provide potentially effective controls that auditors should be reviewing to help ensure the security of any environment.

Target Audience

This session is targeted at audit professionals who are interested in the rapidly evolving areas of cybersecurity and is recommended for those conference attendees planning to attend its companion session "D21 – The Current State of CyberSecurity."

Speaker Bio

Chris Wilkinson is Crowe Horwath's Senior Manager overseeing Penetration Assessments for Crowe's Risk practice, which performs security assessment services for over 300 clients annually. Christopher's experience spans multiple industries including financial institutions, healthcare, insurance, government, utilities, and education; including experience delivering security solutions for Fortune 500 organizations. Christopher currently manages enterprise security assessments in the areas of External and Internal Penetration Testing, IT/Network Security, and Business Continuity Planning.

Ryan Reynolds *has been with Crowe for seven years and is the Manager responsible for Crowe's Penetration Testing services. Ryan has a wide range of knowledge and experience in system administration and networking to include security applications and controls. He is a technical lead for engagements including application, network and infrastructure penetration testing on both internal and external systems as well as social engineering & physical security assessments. Ryan has spoken*

at BlackHat USA, Defcon, BSides Dallas and has been an active Red team member for both the Mid-West & Northeast Collegiate Cyber Defense Competition since 2010.

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