#HeavyD: Stopping Malicious Attacks Against Data Mining and Machine Learning

Davi Ottenheimer

EMC

In-Depth Seminars – D22

Session Abstract

Data Mining and Machine learning often are cited as a path forward in security. From anti-spam to active defense we are moving into a world of automation with more data gravity than ever before (#HeavyD). Do our new habits of "save everything, let machines sort it out" also introduce new and dangerous risks? Do you believe "the more data, the better the results"? Applying risk management principles to #HeavyD is bringing up interesting new audit opportunities. Data sourcing, learning, mining and evaluation methods are at the heart of stopping malicious attacks in an environment near you. Participants will see how to find vulnerabilities and threats in the emerging field of Big Data and IT. Get ready to define a canary in a data mine as well as school machine learning tools.

Target Audience

Anyone interested in Big Data security.
Skill Level = Intermediate/Experienced
Profile = Auditors, Compliance professionals, IT management

COBIT Objectives or Processes

PO9.4 Risk Assessment
DS5 Ensure Systems Security

Speaker Bio

Davi Ottenheimer, EMC Senior Director of Trust, has been an ISACA member since 1997. He has more than eighteen years' experience managing global security operations and assessments, including a decade of leading incident response and digital forensics. Davi is co-author of the book "Securing the Virtual Environment: How to Defend the Enterprise Against Attack," published in 2012 by Wiley and author of the upcoming book "Big Data Security," to be published in 2014. An expert in compliance, he has been a QSA/PA-QSA for K3DES, and former Board Member for the Payment Card Industry Security Alliance and the Silicon Valley chapters of ISACA and OWASP. He formerly was responsible for security at Barclays Global Investors (BGI), the world's largest investment fund manager (now BlackRock). Prior to BGI he was a "dedicated paranoid" at Yahoo! and responsible for managing security for hundreds of millions of mobile, broadband and digital home products

Speaker Details (optional):

Company	EMC
Title	Senior Director of Trust
Facebook URL	>.<

Twitter URL	@daviottenheimer
LinkedIn URL	linkedin.com/in/daviottenheimer
E-mail	davi@flyingpenguin.com
Website	www.flyingpenguin.com