

Auditing Elephants: Tales from the Trenches of Big Data

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Professional Techniques – T12

Session Abstract

The reality of applications moving to Apache Hadoop may catch some off-guard. We have seen a dramatically increased need to test emerging platforms and evolving controls in scale-out distributed environments. This presentation looks at where Hadoop controls are today, how to test them and what can be reasonably expected in the near future. Projects like Accumulo, Sentry, Knox and Rhino will be considered as we dive into the realities of Hadoop risks that span transmitted, stored and processed data layers.

Target Audience

Auditors, IT managers, security engineers, security architects and compliance/risk staff.

Speaker Bio

Davi Ottenheimer, EMC Senior Director of Trust, has been an ISACA member since 1997. He has more than twenty 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

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