

## Virtualization Security

This presentation will provide some background on the risks amplified by the virtualization of servers. Security standards useful to organizations when setting policies and configuration settings regarding virtualized servers will be listed to help create a baseline against which the IS auditor may evaluate actual implementations. Tools useful in gathering metrics to assess the organization's deployment against the standards above will be compared. The discussion will use the VMware ESX 3.x environment as a foundation.

**Date:** January 14, 2010

**Time:** 11:30 AM - 12:00 PM Registration | 12:00 - 1:00 PM Lunch | 1:00-3:00 PM

**Program Location:** Lidia's (Freighthouse District) | 101 W. 22<sup>nd</sup> St. | Kansas City | Missouri | 64108

**Price:** \$35 members | \$50 guests | \$5 students

**CPE:** 2 Credits

**Menu:**

Caesar Salad

Pasta Trio (specific pastas are determined by Lidia's on a daily basis)

Assorted Cookies

Coffee & Tea

**Speaker Bio:** Michael T. Hoelsing, CISA CISSP CCP CIA CFSA CMA CPA ACDA

*See following page.*

**Michael T. Hoelsing** CISA CISSP CCP CIA CFSA CMA CPA ACDA

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Mike has over 30 years of experience in the areas of information systems audit and assurance, information systems implementation, and financial audit. His experiences span a variety of industries during his years with public accounting firms and his last 18 years has focused on the financial services with firms such as First Data Corp, First National Nebraska Inc., Pricewaterhouse Coopers, and American Express. Mike has been involved in both the external and internal audit processes and also has served as a software trainer.

Mike has been a conference speaker at the Computer Security Conference, VMworld, ISACA's CACS, MISTI's InfoSec World, RSA Executive Security Action Forum, IIA Midwest Regional, and the CERT and InfoTec conferences covering various Information Security and IS Audit topics including ESX virtualization risk, security and assessment techniques.

Mike has been published in the Information Systems Control Journal published by ISACA on network security, operating systems and virtualization risk and audit topics. Contributions to team documents include the FSR/BITS Information Technology Outsourcing Framework document and the Center for Internet Security Virtualization and ESX Server benchmarks. His Virtualization Security Assessment Tools and Techniques article was published in the Information Security Journal: A Global Perspective published by ISC<sup>2</sup>. In May 2009.

Mike has lead the Information Systems Audit and Information Assurance groups for various organizations conducting traditional IS and integrated audit activities, along with proactive control and risk management consulting, technical assessments, forensics, eDiscovery litigation support, and external assessment liaison with regulatory, financial and credit card association assessors, evaluating risk and helping to improve the control environment for all technology teams.

Mike developed the first Virtualization audit classes delivered to ISACA chapters and also presented the 2 day version of that class at MISTI's InfoSec World Conference in March 2009.

University involvement includes membership on the Creighton University and University of Nebraska at Omaha College of Business advisory boards, and facilitating sessions in Creighton's eSecurity lab. At the University of Nebraska at Omaha, he developed and delivers the regions only class devoted to Information Systems Audit following the ISACA model curriculum and has enrolled that school in the ACL and VMware beta partner programs. He is a board member of NebraskCERT, the area's leading information security professional group.