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# Off-Line

The SC Midlands Chapter of the Information Systems Audit & Control Association

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CHAPTER 54

JUNE 2007

## July Seminar:

### Virtualization:

#### Background, Risks, and Audit Approaches



The advancement of x86-based system processing capabilities has enabled virtualization to become effective at the server and workstation levels. In addition to cost savings, benefits include testing in different operating systems on one host, the ability to run parallel application versions, and new business continuity opportunities when one can run multiple operating systems on one machine simultaneously.

This full-day seminar will compare and contrast current choices in x86 virtualization and discuss the risks, security and associated audit techniques:

- Background, History, Approaches, Vendors, definitions
- Key General Risks & Controls
- Networking Risks & Controls
- Configuration Risks & Controls
- ESX Audit/Assessment Methodology
- Hands On ESX General Controls Audit Procedures
- Hands On ESX Networking Controls Audit Procedures
- Hands On ESX Configuration Audit procedures

For this seminar, we are planning to set-up a virtual environment using VMWare ESX. The speaker will perform the audit procedures “live” on this environment. We are still working out the details, but participants should be able to bring their wireless capable laptop to the seminar and connect to the environment in read-only mode. It isn’t a requirement of the seminar that you bring a wireless laptop and connect to the environment, but it is an option that can add value to the hands-on sessions.

## About the Speaker

The speaker will be **Michael T. Hoelsing** CISA, CISSP, CCP, CPA, CIA, CMA, MPA. Mike is the Manager of IS Audit and Information Assurance with First National Nebraska, Incorporated. He has over 30 years information systems and financial audit experience balanced between public accounting, (PWC, McGladrey, other regional CPA firms) and internal audit focused on financial services particularly both issuing and acquiring card processing (American Express, First Data, First National Bank of Omaha).

At the University of Nebraska at Omaha (UNO), Mike currently instructs the area's only IS Audit course following the model ISACA curriculum and has previously taught principles of accounting, auditing and decision science at UNO. Mike has also been a software trainer and developed NBDC courses, these academic efforts succeed many years of hands-on experience with system integration. He has been a speaker at the ISACA CACS conference, VMWorld, the Computer Security Conference by CSI, CERTconference, and Infotech on subjects including Virtualization Security, Applying Virtualization in Education, Auditing Linux, Multi-Factor Authentication, Payment Card Industry Data Security Standard and other IS Audit topics.

Mike has been published three times in the Information Systems Control Journal published by ISACA and was a contributor to FSR/BITS Information Technology Outsourcing Framework document. Mike is contracted with Wiley Publications to produce the book "Virtualization Security" and is a member of the Center for Internet Security (CIS) team developing configuration standards for virtualization.

### **JULY 2007 \* ISACA CHAPTER MEETING**

**DATE:**

Thursday, July 26

**Time:**

Registration: 8:00 AM

Presentation: 8:30 AM

**CPE / COST**

8 Hour / \$ 100.00

Includes lunch

**LOCATION:**

Radisson Hotel and Conference Center

2100 Bush River Rd (at I-20)

803-731-0300

**REGISTRATION:**

Contact Ernie Mehaffey by Friday, July 21

803-217-6189 (emehaffey@scana.com)

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