



NETWORK SECURITY AUDITING

Presented by the North Texas Chapter of ISACA

Dates: Wednesday, October 10 through Friday, October 12, 2012

Time: 8:00 AM – 4:00 PM

Location: JCPenney Corporate Office
6501 Legacy Drive
Plano, TX 75024

Cost: **\$600** Members and Non-Members
(Training materials, lunch, snacks and beverages are provided)

Presentation Method: Group-Live

Program Level: Basic

Category: Specialized Knowledge & Applications

Prerequisites: Laptop – see **What You Need** below

Advance Preparation: None

Recommended CPE Credits: 18.0

Time: Wednesday thru Friday 8:00 AM – 4:00 PM

Register at www.isaca-northtexas.org

Online registration closes on Friday, September 28, 2012 at 5:00 PM.

No walk-ins. Prepay by Credit Card, PayPal or Check Only.

Class size is limited to the first 60 registrants.

For any information regarding refunds, complaints, and program cancellation policies, visit www.isaca-northtexas.org/SitePages/ProgramPolicies.aspx.

INSTRUCTOR

TANYA BACCAM, BACCAM CONSULTING, LLC

Tanya is a Senior Certified Instructor and courseware author for SANS (SysAdmin, Audit, Network, Security) where she has developed and delivered training related to PCI, security auditing, incident handling, hacker exploits, database security, web application security and perimeter protection. She provides many security consulting services for clients such as system audits, vulnerability and risk assessments, database assessments, web application assessments and penetration testing. Tanya has previously worked as the Director of Assurance Services for a security services consulting firm, as well as the Manager of Infrastructure Security for a healthcare organization. She also served as a Manager at Deloitte and Touche in the Security Services practice. Throughout her career, she has consulted with many clients about their security architecture, including areas such as perimeter security, network infrastructure design, system audits, web server security, and database security. She has played an integral role in developing multiple business applications and currently holds the CPA, CISSP, CISA, GCIH, GCFW, CISM and Oracle Certified DBA certifications.

OBJECTIVES

The Network Security Auditing course will teach participants how to create network maps and audit the key systems identified during the process. Students will learn how to audit key network components including routers, switches, firewalls, IDS/IPS and wireless access points. Students will also look at the risks to a network when introducing cloud computing solutions. The tools and techniques to audit such systems are discussed and utilized during hands-on exercises. Vulnerability scanning and assessment techniques are also investigated.



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We have registered with the Texas State Board of Public Accountancy as a CPE sponsor. This registration does not constitute an endorsement by the Board as to the quality of our CPE program.

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WHAT YOU NEED

Students are required to have a laptop in order to complete the hands-on exercises. The laptop should meet the following specifications for the student to receive the maximum benefit from these exercises:

- CD-ROM drive
- A minimum of 3 gigabytes of free hard disk space
- A minimum of at least 1 gigabyte of RAM
- Windows XP Professional SP3 or higher
- Administrator privileges or the capability to install and run tools

OUTLINE

1. Foundational Skills
 - a. Background
 - b. Identifying the environment
2. Network maps
3. Routers
 - a. Key areas that should be secured
 - b. Tools to review router security issues
4. Switches
 - a. VLANs, NAC/NAP
 - b. Layer 2 security risks
 - c. Tools to review switch security issues
5. Firewalls
 - a. Key rulebase concepts
 - b. Additional Tools for Technical Validation
6. IDS/IPS
 - a. Host versus network
7. Where and when to deploy each
 - a. Tools for assessing security
8. Cloud Computing
 - a. Risks
 - b. Audit questions and considerations
9. Wireless
 - a. Wireless security risks
 - b. Tools for assessing wireless security
10. Additional vulnerability assessment tools



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