

**Database Activity Scanning and Monitoring**

Rob Barnes, Application Security, Inc.



In-Depth Seminars Track – Session D1

**Abstract:**

At the database application layer, security auditing and activity scanning and monitoring are critical components to maintain the confidentiality, integrity, and availability of sensitive enterprise data. With internal threats like malicious insiders now rivaling that of external threats, it's essential for organizations globally to monitor whose information within that company.

Activity scanning and monitoring assists organizations seeking to improve their security posture. By identifying and alerting on anomalous activity and potential policy violations, users can generate secure, tamper-evident audit trails on privileged activity by legitimate and unauthorized users and automating key activity reporting—including violations.

This presentation is based on our experience in working with customers to educate them on the effectiveness of activity scanning, monitoring and database auditing. Participants will learn how to develop a usable policy for auditing and monitoring. By following the policies we outline in this presentation, participants will understand conceptually how they can replicate our best practices model, and properly implement a repeatable system that will integrate with their current infrastructure.

**Attendees will learn:**

- Security oversight and compliance for the purpose of minimizing liability in the event of a breach.
- How to document privacy controls and enhance the forensic capabilities
- Determining the scope of investigative activity through an effective monitoring deployment
- Best practices for implementing database auditing and activity monitoring for the enterprise

**Target Audience:**

Intermediate skill level audit and security professionals.

**COBIT Objectives:**

**Speaker Bio:**

**Rob Barnes** is the Director, Security, Risk and Compliance Operations with Application Security, Inc. and the Technical Manager for Worldwide Business Development. His primary role is to drive partnerships with accounting, auditing and consulting organizations to help them meet their database security and audit testing requirements while focusing on global regulatory and compliance initiatives. He is responsible for the business development, strategic training and support for all partners and professional services providers.

Prior to joining Application Security, Inc., Rob served as an IT Auditor at Ernst & Young, LLP in the Technology and Security Risk Services practice out of the New York and Boston Financial Services Offices. Rob's experience in IT Audit and information management, security and advisory services has given him insight into the compliance and security-related issues that global organizations face.

Rob is a graduate of West Point and decorated soldier who spent eight years as a US Army Finance Officer. He served as a Company Commander and led a deployment to manage financial operations in Baghdad, Iraq during Operation Iraqi Freedom.

He has spoken at numerous military, civilian and professional services industry conferences and events, including ISACA's North America CACS, International Conference and the 'eSymposium' series. Rob is also a featured content provider and speaker for Application Security, Inc.'s acclaimed webinar series.