Optimizing Capability Maturity for Application Security in the Software Development Lifecycle

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Governance, Risk & Compliance – G22

Session Abstract

In order to achieve sustainable success, a state-of-the-art application security program requires a roadmap to measure and improve the effectiveness of its processes. This discussion will provide a brief overview of continuous improvement best practices, frameworks, and supporting metrics to effectively manage security in software development initiatives. The key components of an enterprise application security eco-system will be introduced, taking into account the need for customization appropriate to the size of the organization and industry vertical. The value propositions for capability maturity in the SDLC are clear: more robust, more secure software, delivered in a more timely fashion; standardized outcomes; and reduced risk leading to fewer downstream remediation costs.

Target Audience

The target audience is those interested in building an application security program and those who wish to employ continuous improvement to an existing program with measurable results.

Skill Level – Intermediate
Profile – Application Security, Audit, Development
Occupational Experience –

- *Development Managers, Security Auditors, Security Officers*
- *IT Managers and Executives that want continuous improvement in their application security program.*

COBIT Objectives or Practices

- BAI03 Manage Solutions Identification and Build
- DSS05 Manage Security Services

Speaker Bio

Based in San Francisco, Jonathan Davis is VP of Business Development and Marketing for AsTech Consulting, an application security firm dedicated to bringing strategic focus to the SDLC. With 15+ years of IT and information security experience in a wide array of industries including financial services, insurance, government, and higher education sectors, Jonathan's understanding of the technology space draws from multiple perspectives. In addition, he holds the CISA, CISSP, and CCSK certifications. Jonathan has been active in multiple governance initiatives in previous positions and

has often acted as a liaison between executive leadership, lines of business, and technology units. Currently, he is primarily focused upon the evolution of secure application development and the new architectures emerging from the advance of cloud computing.

Steve Wolf joined AsTech in 2012 for a second time. Over the past 6 years of his career he has been evangelizing application security. He is currently managing the application security practice for AsTech. His motivation is in helping organizations develop their security programs based on individual needs. He has been instrumental in taking several application security programs to the next level. Having been a developer for over 20 years with his role extending into just about every aspect of information technology he understands the importance of program structure.   Having worked in several industries, he continually strives to make things safer and better for every organization he encounters.

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