



The Secure SDLC Panel

Real answers from real experience

Moderated by:

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Foundation Board

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Panelists

- Migchiel de Jong (Fortify)
- Bart De Win (Ascure)
- Florence Mottay (Cigital)

Agenda

- Introducing the panelists
- Panelist positions
- Moderated question & answer
- Summary & conclusions



Introducing the Panelists

Migchiel de Jong



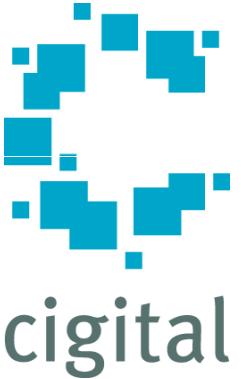
- Background:
 - Technical Computer Science
 - HW/SW development
 - Rational Software
 - IBM
- Experience:
 - 15 years in HW/SW development
 - 4+ years at Fortify

Bart De Win



- Background:
 - MS in Computer Science
 - Extensive research background in software security
 - Currently working for Asure, responsible for application security offering
- Experience:
 - In-depth study of different SDLC's
 - Contributed to SAMM
 - Wide experience in application assessments

Florence Mottay



- Managing Principal Digital EMEA.
- Background in Computer Science
- Involved in software security for 10 years
- Areas of expertise include Threat Modeling for the Enterprise and Customized Enterprise Security Solutions.



Panelist Positions

SDLC Experience

- Working for Fortify since the start in Europe more than 4 years ago
- Helped many companies with institutionalizing code review
- Member of the OAR@NHL driving the introduction of app sec in the curriculum

DOs and DON'Ts

- DO
 - Measure
 - Transfer knowledge
- DON'T
 - *Define but not execute*
 - *Just produce artifacts*

Key decision factors

- Common understanding of SDLC
 - “It will solve all my security problems, right?”
 - “I’m actually looking for training”
- Rationale / Type of problems to be solved
- Security appetite of the company
- Mandate level in the organization
 - Which departments does it cover ?

DOs and DON'Ts

- DO
 - Work towards a balanced, risk-driven SDLC target
 - Use a phased roll-out
 - Install adequate measurements to keep track of progress
- DON'T
 - Literally implement SDLC XYZ in your organization
 - Expect to find the silver bullet in short term

SDLC Experience

- Cigital incorporated in 1992
- Cigital's Touchpoints published in 2006
- Contributed to 8 large scale software security initiatives
- Knowledge of other set of best practices used to integrate security in the SDLC:
 - Microsoft SDL
 - OWASP's CLASP

BSIMM

- Software security measuring stick based on real data
- 9 US companies including Adobe, The Depository Trust and Clearing Corporation (DTCC), EMC, Google, Microsoft, QUALCOMM, and Wells Fargo
- 9 EU companies including Nokia, Standard Life, SWIFT, Telecom Italia, and Thomson Reuters
- 30 firms in the study, bsimm 2 is coming up soon

Do's and Don'ts

- BSSIM describes 110 activities
- BSIMM is descriptive, not prescriptive
- BSIMM is a yardstick



Moderated Question & Answer

Ground Rules

- Warm up with some prepared questions
- Panelists should limit responses to 2-3 mins
- Audience participation!!!
 - Comments/questions/flames welcomed!
- I'll try to keep things orderly



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- What are the most significant organizational factors in determining if a secure SDLC integration will be successful?

- Top management mandate
- Metrics and dashboards
- Consistent development process
- Corporate culture
- Regulatory drivers

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- Rank the following in terms of priority for an organization that wants to do more security assessments in the SDLC:
 - Code review (manual or static analysis)
 - Security testing (dynamic analysis or ethical hack)
 - Design review (inspection of security mechanisms)
 - Threat modeling (assessment of what could go wrong)



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- What's the best method for getting an organization's development, security/risk, and operations groups aligned to roll out a secure SDLC program?



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- Carrot vs. Stick. Which should you pick when trying to change the process throughout an organization? In what situations might you decide to use the other?



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- If someone approached you saying they had a little bit of budget for their software security program, but didn't know what to do next, how would that conversation go? Specifically, where would you steer them?

- Hire consultants
- Get tools/technology
- License training content
- Internal head-count
- <Insert here>



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- We talk about the importance of measurement and metrics a lot, but does anyone actually use them? If so, what are the most popular ones?



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- Do you think it is possible to demonstrate return on investment (ROI) for secure SDLC programs? If not, why? If so, how?



Summary & Conclusions