wisefrog Security

SAMM User Day San Francisco 2024

OWASP SAMM: *Big corporate rollout*

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September 25th

SAMM assessments are the easy part

Agenda

1. Getting ready
2. Kick off
3. Assessments
4. Roadmap
5. Tools & Processes
6. Effects on the culture

1

Getting ready

Maturity Frameworks

Structured frameworks to evaluate and enhance security across business functions. These frameworks also aid in documenting the Software Security Development Lifecycle (SSDL) in a structured way.

OWASP SAMM

BSIMM

Let’s see Who’s Who

COMPETE AGAINST EXISTING POLICIES

SSDLC Policy

NIST CSF

SOC

ISO

COMPETE AGAINST EXISTING POLICIES

SSDLC Policy

OWASP SAMM is a Community

Meetup

OWASP SAMM Community Call
Every second Wednesday
12:30 PDT

I wish you were more assertive

1. Courage
2. Commitment
3. Capabilities
4. **Confidence**

Regroup and attack

- It's about where you want to be and how to get there!
- Tailored roadmap per software factory
- Convertible to other frameworks thanks to the OpenCRE and NIST CSF <-> SAMM projects

2

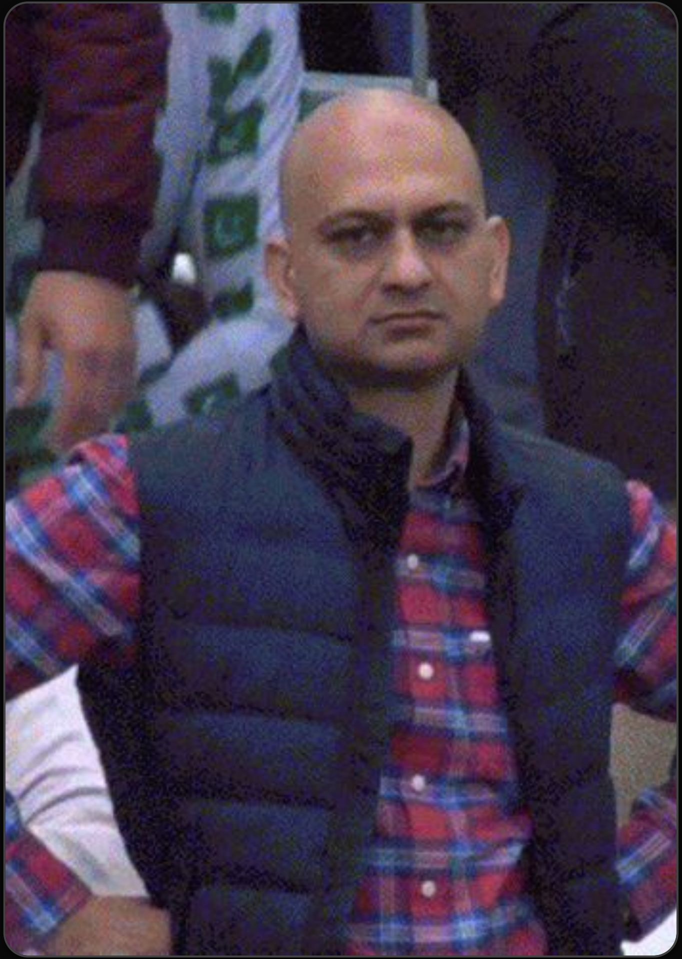
Kick off

Where do we start?

GLOBAL SSDLC

Perfect World Scenario

Secure Software Development Lifecycle policies usually represent the target situation in big organizations.



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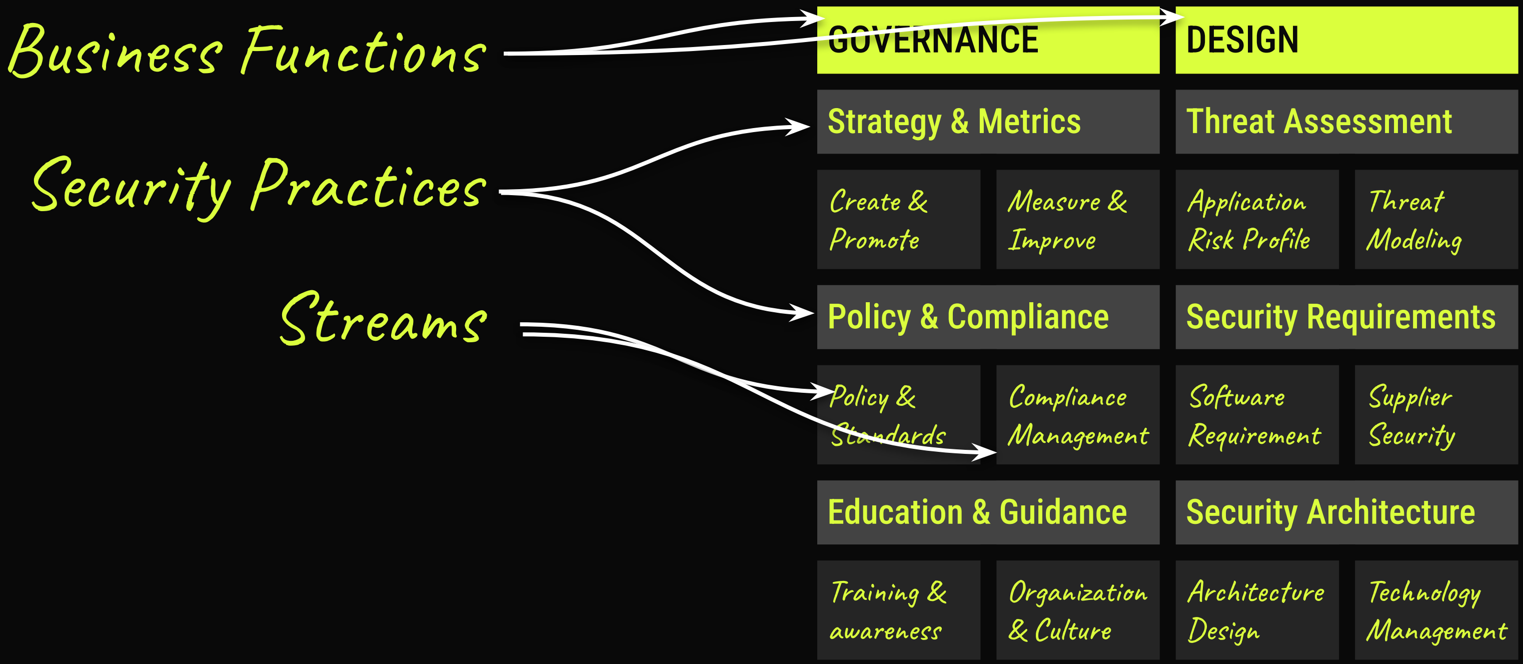
Assessment

The Model

GOVERNANCE		DESIGN		IMPLEMENTATION		VERIFICATION		OPERATIONS	
Strategy & Metrics		**Threat Assessment**		**Secure Build**		**Arch. Assessment**		**Incident M.gement**	
Create & Promote	*Measure & Improve*	*Application Risk Profile*	*Threat Modeling*	*Build Process*	*Software Dependency*	*Architecture Validation*	*Architecture Mitigation*	*Incident Detection*	*Incident Response*
Policy & Compliance		**Security Requirements**		**Secure Deployment**		**Req.-driven Testing**		**Env. Management**	
Policy & Standards	*Compliance Management*	*Software Requirement*	*Supplier Security*	*Deployment Process*	*Secret Management*	*Control Verification*	*Mis-/abuse Testing*	*Config. Hardening*	*Patching & Updating*
Education & Guidance		**Security Architecture**		**Defect Management**		**Security Testing**		**Ops. Management**	
Training & awareness	*Organization & Culture*	*Architecture Design*	*Technology Management*	*Defect Tracking*	*Metrics & Feedback*	*Scalable Baseline*	*Deep Underst.ding*	*Data Protection*	*Decomm. & Legacy mng*

The Model



Business Functions

Security Practices

Streams

GOVERNANCE		DESIGN	
Strategy & Metrics		Threat Assessment	
Create & Promote	Measure & Improve	Application Risk Profile	Threat Modeling
Policy & Compliance		Security Requirements	
Policy & Standards	Compliance Management	Software Requirement	Supplier Security
Education & Guidance		Security Architecture	
Training & awareness	Organization & Culture	Architecture Design	Technology Management

Maturity Level 1 / 2 / 3

Benefit

Common understanding of your organization’s security posture

Activity

Common understanding of your organization’s security posture, what threats exist or may exist, as well as how tolerant executive leadership is of these risks. This understanding is a key component of determining software security assurance priorities …

GOVERNANCE		DESIGN	
Strategy & Metrics		Threat Assessment	
Create & Promote	Measure & Improve	Application Risk Profile	Threat Modeling
Policy & Compliance		Security Requirements	
Policy & Standards	Compliance Management	Software Requirement	Supplier Security
Education & Guidance		Security Architecture	
Training & awareness	Organization & Culture	Architecture Design	Technology Management

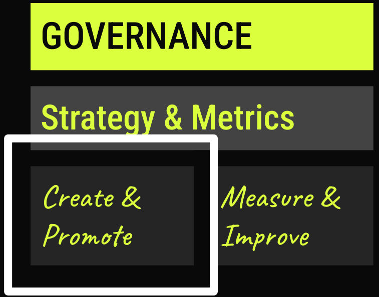
Maturity Level 1 / 2 / 3

Question

Do you understand the enterprise-wide risk appetite for your applications?

Quality criteria

- □ You capture the risk appetite of your organization's executive leadership
- □ The organization's leadership vet and approve the set of risks
- □ You identify the main business and technical threats to your assets and data
- □ You document risks and store them in an accessible location



GOVERNANCE

Strategy & Metrics

Create & Promote

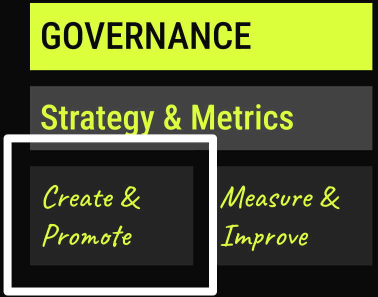
Measure & Improve

Assess one scope at a time!

Maturity Level 1 / 2 / 3

Answers

- ❏ No
- ❏ Yes, it covers general risks
- ❏ Yes, it covers organization-specific risks
- ❏ Yes, it covers risks and opportunities



GOVERNANCE

Strategy & Metrics

Create & Promote

Measure & Improve

Stream Guidance

SAMM team guidance Google Doc 🔗
Community guidance Google Doc 🔗

THE INTERVIEW

Trust

Style

Premises

Duration

Notes

Interview

Preparation

Score Inflation

4

Roadmap

Roadmap

SAMM Roadmap vs Existing objectives

Existing change management process or yet another PM tool?

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Tools & Processes

<table>
<tr><th>ASSESSMENT</th><th>FOLLOW UP</th><th>PRESENT</th></tr>
<tr><td>OWASP SAMM Toolkit</td><td></td><td>OWASP SAMM Toolkit</td></tr>
<tr><td colspan="3">Codific SAMMY (Open source version)</td></tr>
<tr><td>OWASP SAMMwise</td><td colspan="2">Project management tools</td></tr>
<tr><td></td><td>Change Management Processes</td><td>Dashboards</td></tr>
</table>

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Culture

Resources

- owaspsamm.org
  - SAMM Team Guidance
  - Community Guidance
- meetup.com/owasp-samm
- youtube.com/@owaspsamm
- codific.com/the-owasp-samm-training
- Local OWASP Chapter events

- The person on your right
- (left, in front and behind too)

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Thank you!

Questions & Answers

security.wisefrog.nl