



OWASP EUROPEAN TOUR

Eurecom, Nice 24/06/2013



OWASP

The Open Web Application Security Project



Ely de Travieso
ely.detravieso@owasp.org

OWASP France
Relations Partenaires



Ely de Travieso

- *15 ans d'expérience dans la Sécurité des Systèmes d'Information et la Lutte contre la Cybercriminalité*
- *Directeur & Fondateur de la société Phonesec*

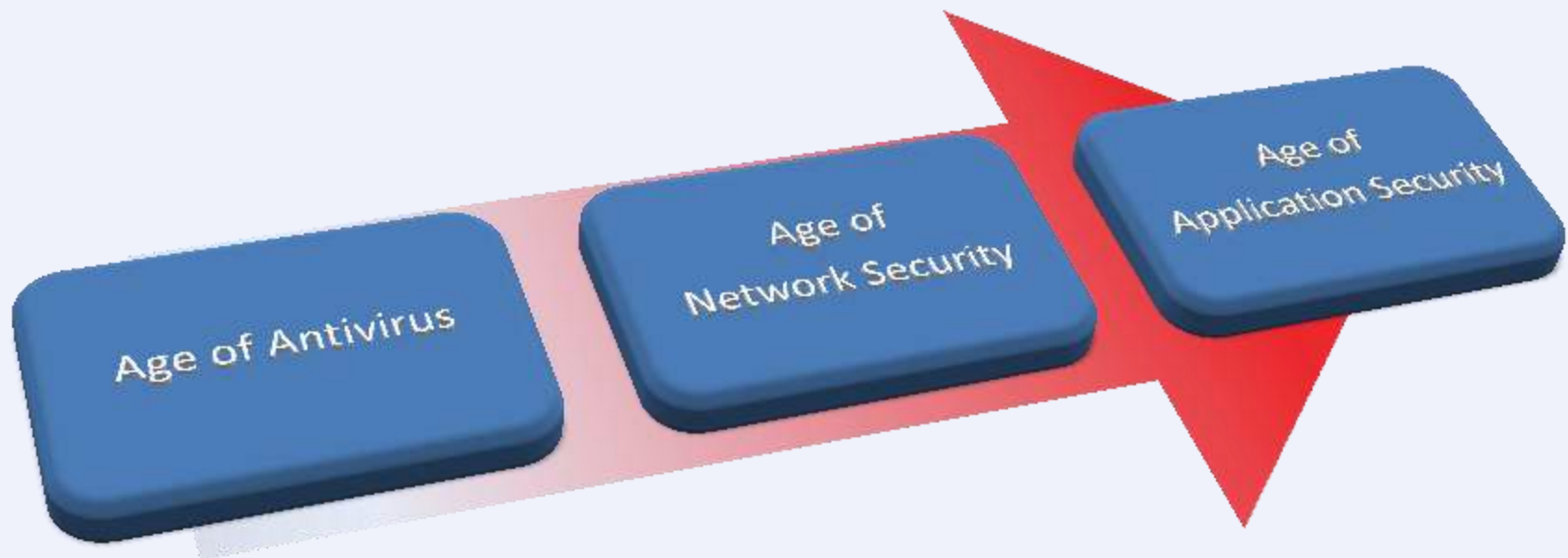


OWASP France : Responsable des Relations Partenaires depuis 2012

Pourquoi l'Owasp



We are living in a Digital environment, in a Connected World



- ❖ La majorité des sites internet sont vulnérables aux attaques
- ❖ 75% des attaques visent les applications Web *(Source: Gartner)*

Agenda



OWASP

The Open Web Application Security Project

- *La fondation OWASP*
- *Les Projets OWASP*
- *Devenir Membre*

The True Story



The Open Web Application Security Project

OWASP:



Swarms of WASPS: Local Chapters



What is OWASP



OWASP

The Open Web Application Security Project

Mission Driven

Nonprofit | World Wide | Unbiased

**OWASP does not endorse or recommend
commercial products or services**

What is OWASP



OWASP

The Open Web Application Security Project

Community Driven

30,000 Mail List Participants

200 Active Chapters in 70 countries

1600+ Members, 56 Corporate Supporters

69 Academic Supporters

What is OWASP



OWASP

The Open Web Application Security Project

200 Chapters, 1 600+ Members, 20 000+ Builders, Breakers and Defenders



What is OWASP



OWASP

The Open Web Application Security Project

Quality Resources

200+ Projects

15,000+ downloads of tools, documentation

250,000+ unique visitors

800,000+ page views (monthly)

Quality Resources



OWASP

The Open Web Application Security Project

Code

10%

Tools

40%

50%

Documentation

Security Lifecycle



OWASP

The Open Web Application Security Project

A Vision for OWASP

Outreach

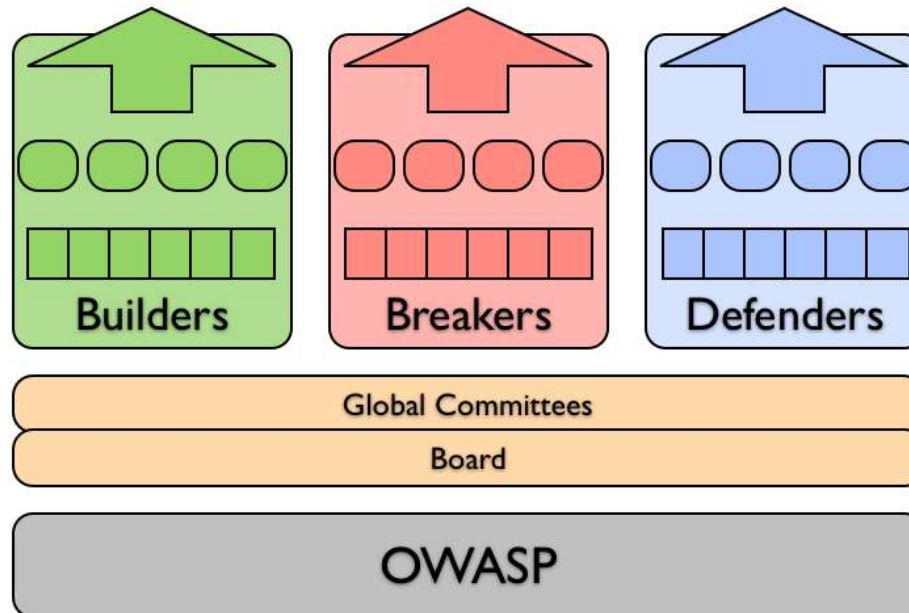
Projects

StakeHolders

Focus

Support

Platform



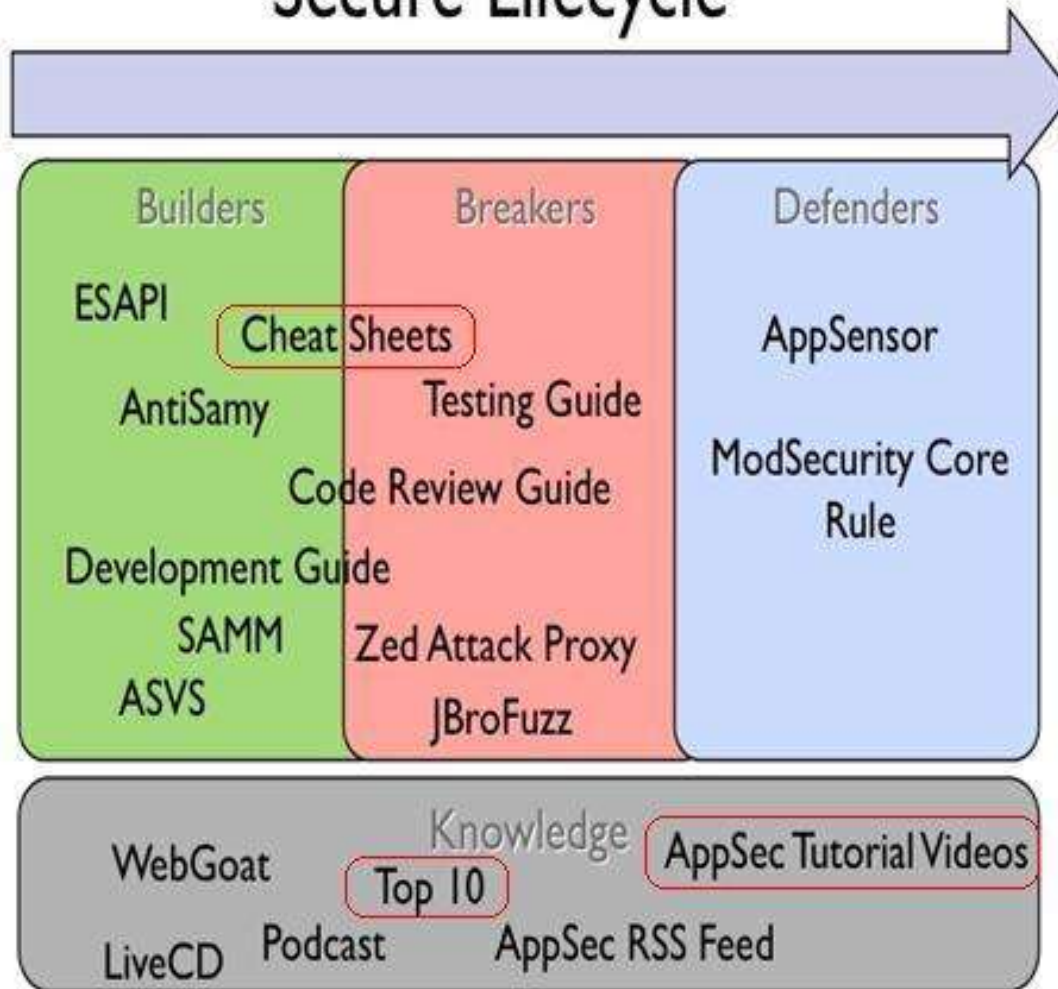
Security Resources



OWASP

The Open Web Application Security Project

Secure Lifecycle



The OWASP Top Ten

TOP 10 WEB APPLICATION SECURITY RISKS

A1: Injection

A2: Cross Site Scripting (XSS)

A3: Broken Authentication and Session Management

A4: Insecure Direct Object References

A5: Cross Site Request Forgery (CSRF)

A6: Security Misconfiguration

A7: Failure to Restrict URL Access

A8: Unvalidated Redirects and Forwards

A9: Insecure Cryptographic Storage

A10: Insufficient Transport Layer Protection



The OWASP Appsec Tutorial Series ([Videos](#))



OWASP

The Open Web Application Security Project

NEWS

A BLOG

A PODCAST

MEMBERSHIPS

MAILING LISTS

A NEWSLETTER

APPLE APP STORE

VIDEO TUTORIALS

TRAINING SESSIONS

SOCIAL NETWORKING



OWASP Projects



OWASP

The Open Web Application Security Project



Cheat Sheets



OWASP

The Open Web Application Security Project

Developer Cheat Sheets (Builder)

- Authentication Cheat Sheet
- Choosing and Using Security Questions Cheat Sheet
- Clickjacking Defense Cheat Sheet
- Cross-Site Request Forgery (CSRF) Prevention Cheat Sheet
- Cryptographic Storage Cheat Sheet
- DOM based XSS Prevention Cheat Sheet
- Forgot Password Cheat Sheet
- HTML5 Security Cheat Sheet
- Input Validation Cheat Sheet
- JAAS Cheat Sheet
- Logging Cheat Sheet
- OWASP Top Ten Cheat Sheet
- Query Parameterization Cheat Sheet
- REST Security Cheat Sheet
- Session Management Cheat Sheet
- SQL Injection Prevention Cheat Sheet
- Transport Layer Protection Cheat Sheet
- Web Service Security Cheat Sheet
- XSS (Cross Site Scripting) Prevention Cheat Sheet
- User Privacy Protection Cheat Sheet

Assessment Cheat Sheets (Breaker)

- Attack Surface Analysis Cheat Sheet
- XSS Filter Evasion Cheat Sheet

Mobile Cheat Sheets

- IOS Developer Cheat Sheet
- Mobile Jailbreaking Cheat Sheet

Draft Cheat Sheets

- Access Control Cheat Sheet
- Application Security Architecture Cheat Sheet
- Password Storage Cheat Sheet
- PHP Security Cheat Sheet
- .NET Security Cheat Sheet
- Secure Coding Cheat Sheet
- Secure SDLC Cheat Sheet
- Threat Modeling Cheat Sheet
- Virtual Patching Cheat Sheet
- Web Application Security Testing Cheat Sheet
- Grails Secure Code Review Cheat Sheet
- IOS Application Security Testing Cheat Sheet

Enterprise Security API



OWASP

The Open Web Application Security Project

Project Leader: Chris Schmidt, Chris.Schmidt@owasp.org

Purpose: A **free**, open source, **web application security control library** that makes it easier for programmers to write lower-risk applications

Security controls that are included:

There are reference implementations for each of the following security controls:

- Authentication
- Access control
- Input validation
- Output encoding/escaping
- Cryptography
- Error handling and logging
- Communication security
- HTTP security
- Security configuration



for Reboot

AntiSamy



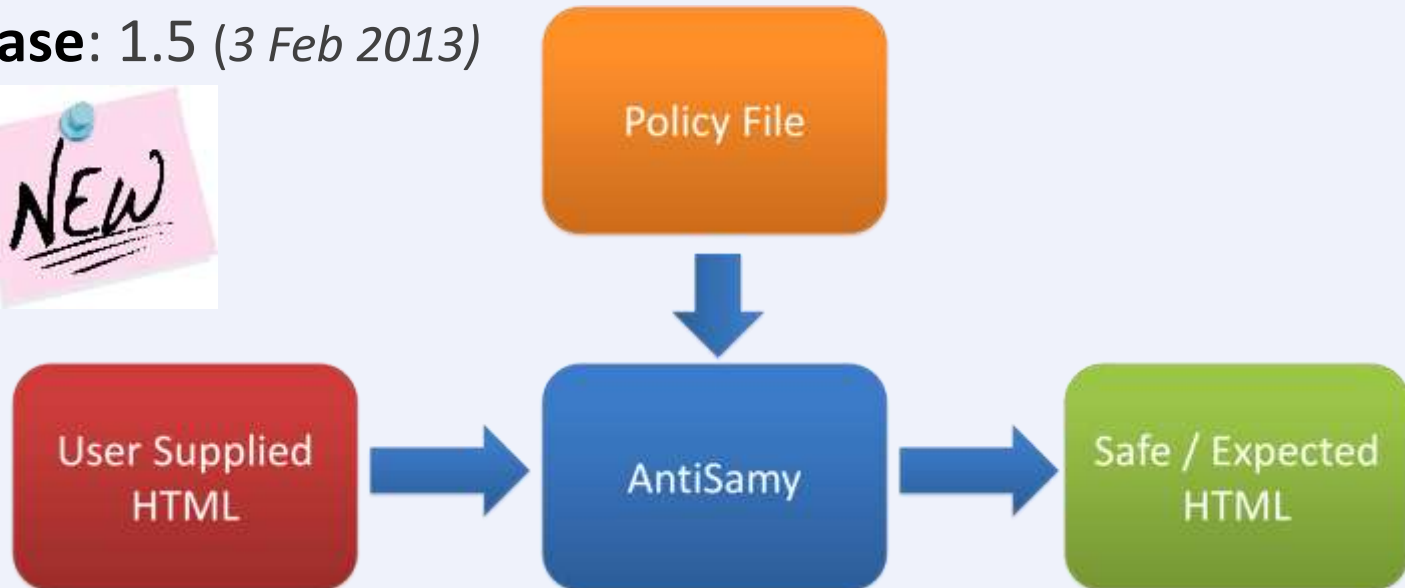
OWASP

The Open Web Application Security Project

Project Leader: Jason Li, jason.li@owasp.org

Purpose: An **API for ensuring user-supplied HTML/CSS is in compliance within an application's rules**, that helps you make sure that clients don't supply malicious code in the HTML they supply for their profile, comments, etc., that get persisted on the server.

Last Release: 1.5 (3 Feb 2013)



https://www.owasp.org/index.php/Category:OWASP_AntiSamy_Project



OWASP

The Open Web Application Security Project

Development Guide: comprehensive manual for designing, developing and deploying secure Web Applications and Web Services

Code Review Guide: mechanics of reviewing code for certain vulnerabilities & validation of proper security controls

Testing Guide: understand the what, why, when, where, and how of testing web applications



https://www.owasp.org/index.php/Category:OWASP_Guide_Project

https://www.owasp.org/index.php/Category:OWASP_Code_Review_Project

https://www.owasp.org/index.php/Category:OWASP_Testing_Project

Zed Attack Proxy



OWASP

The Open Web Application Security Project

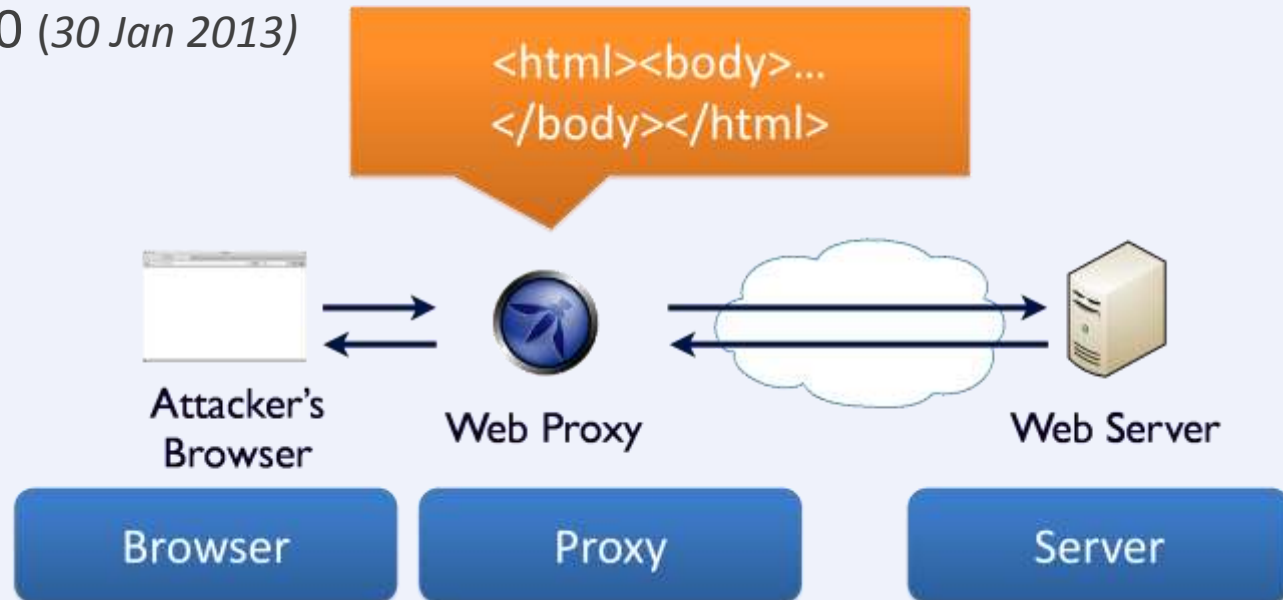
Project Leader: Simon Bennetts (aka Psiinon), psiinon@gmail.com

Purpose: The Zed Attack Proxy (ZAP) provides **automated scanners** as well as **a set of tools** that allow you **to find security vulnerabilities** manually in web applications.

Last Release: ZAP 2.0.0 (30 Jan 2013)



for Reboot



AppSensor



OWASP

The Open Web Application Security Project

Project Leader(s): Michael Coates, John Melton, Colin Watson

Purpose: Defines a conceptual framework and methodology that offers prescriptive **guidance to implement intrusion detection and automated response into an existing application.**

Release: AppSensor 0.1.3 - *Nov 2010 (Tool) & September 2008 (doc)*



Create attack aware applications



Cloud Top10 Project



OWASP

The Open Web Application Security Project

Project Leader: Vinay Bansal, Vinaykbansal@gmail.com

Purpose: Develop and maintain a list of **Top 10 Security Risks** faced with the **Cloud Computing** and SaaS Models. Serve as a Quick List of Top Risks with Cloud adoption, and **Provide Guidelines on Mitigating the Risks**.

Deliverables

- Cloud Top 10 Security Risks (*Draft expected for early 2013*)

https://www.owasp.org/index.php/Category:OWASP_Cloud_%E2%80%90_10_Project

Mobile Security Project



OWASP

The Open Web Application Security Project

Project Leader: Jack Mannino, Jack@nvisiumsecurity.com

Purpose: **Establish an OWASP Top 10 Mobile Risks.** Intended to be platform-agnostic. Focused on areas of risk rather than individual vulnerabilities.

Deliverables

- **Top 10 Mobile Risks** (*currently Release Candidate v1.0*)
- Top 10 Mobile Controls (*OWASP/ENISA Collaboration*)
 - OWASP Wiki, 'Smartphone Secure Development Guidelines' (ENISA)
- Mobile Cheat Sheet Series
- OWASP GoatDroid Project
- OWASP Mobile Threat Model Project



https://www.owasp.org/index.php/OWASP_Mobile_Security_Project

Threat Modeling Project



OWASP

The Open Web Application Security Project

Project Leader: Anurag "Archie" Agarwal, anurag.agarwal@owasp.org

Purpose: Establish a single and inclusive **software-centric OWASP Threat modeling Methodology**, addressing vulnerability in client and web application-level services over the Internet.

Deliverables (*1st Draft expected for end of 2012 / early 2013*)

- An OWASP Threat Modeling methodology
- A glossary of threat modeling terms

https://www.owasp.org/index.php/OWASP_Threat_Modelling_Project

Projects Reboot 2012



OWASP

The Open Web Application Security Project

Refresh, revitalize & update Projects, rewrite & complete Guides or Tools.

Initial Submissions

- OWASP Application Security Guide For CISOs - *Selected for Reboot*
- OWASP Development Guide - *Selected for Reboot*
- Zed Attack Proxy - *Selected for Reboot*
- OWASP WebGoat
- OWASP AppSensor
- OWASP Mobile Project - *Selected for Reboot*
- OWASP Portuguese Language Project
- OWASP_Application_Testing_guide_v4
- OWASP ESAPI
- OWASP Eliminate Vulnerable Code Project
- OWASP_Code_Review_Guide_Reboot

Projects selected via first round of review

- 1. OWASP Development Guide:** Funding Amount: \$5000 initial funding
- 2. OWASP CISO Guide:** Funding Amount: \$5000 initial funding
- 3. OWASP Zed Attack Proxy:** Funding Amount: \$5000 initial funding
- 4. OWASP Mobile Project:** Funding Amount: \$5000 initial funding

*Ongoing discussions about the **Code Review** and the **Testing Guides***

The Knowledge is wealth,
Knowledge must flow



MEMBERSHIP ?

“If you think education is expensive,
you should try ignorance!”

Abraham Lincoln



Teamwork



TEAM stands for... **T**ogether **E**ach **A**chieves **M**ore

You guys are **welcome** to attend our meetings
and have talks at OWASP.

The OWASP French Chapter welcomes you!



