



OWASP Foundation Inc.

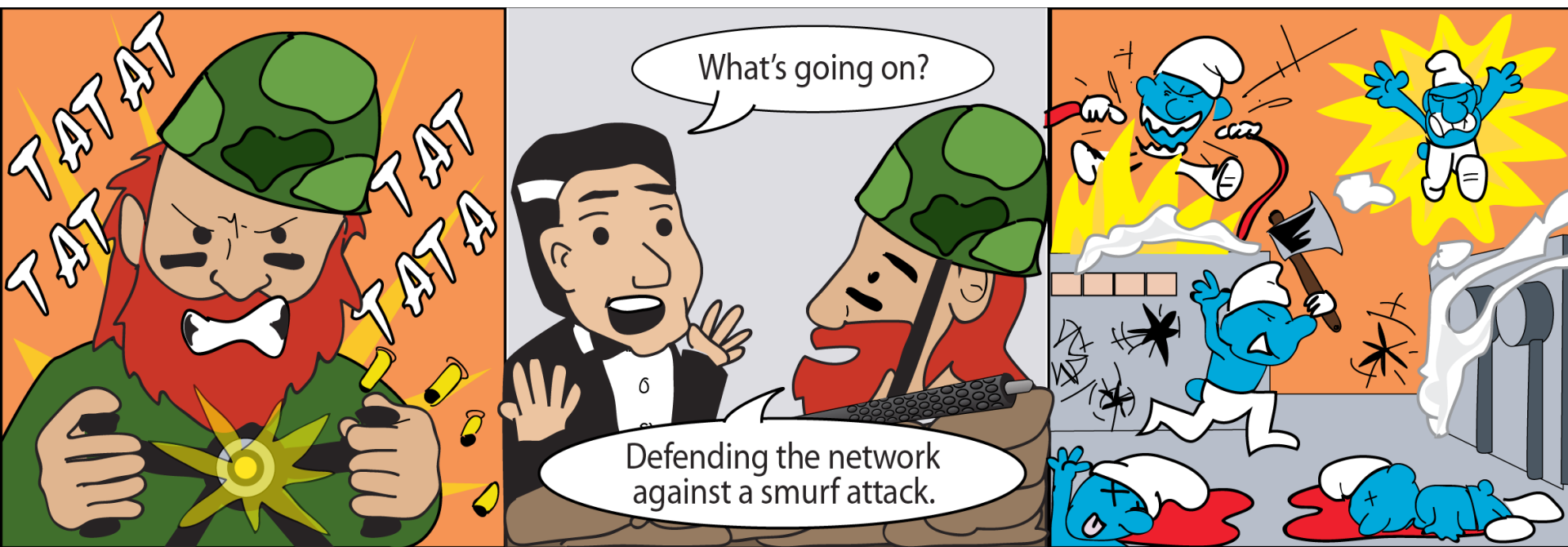
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OWASP

Security Strategist
WhiteHat Security Inc.
www.whitehatsec.com

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The OWASP Foundation
<http://www.owasp.org>



From: <http://preview.tinyurl.com/ccxbvg>

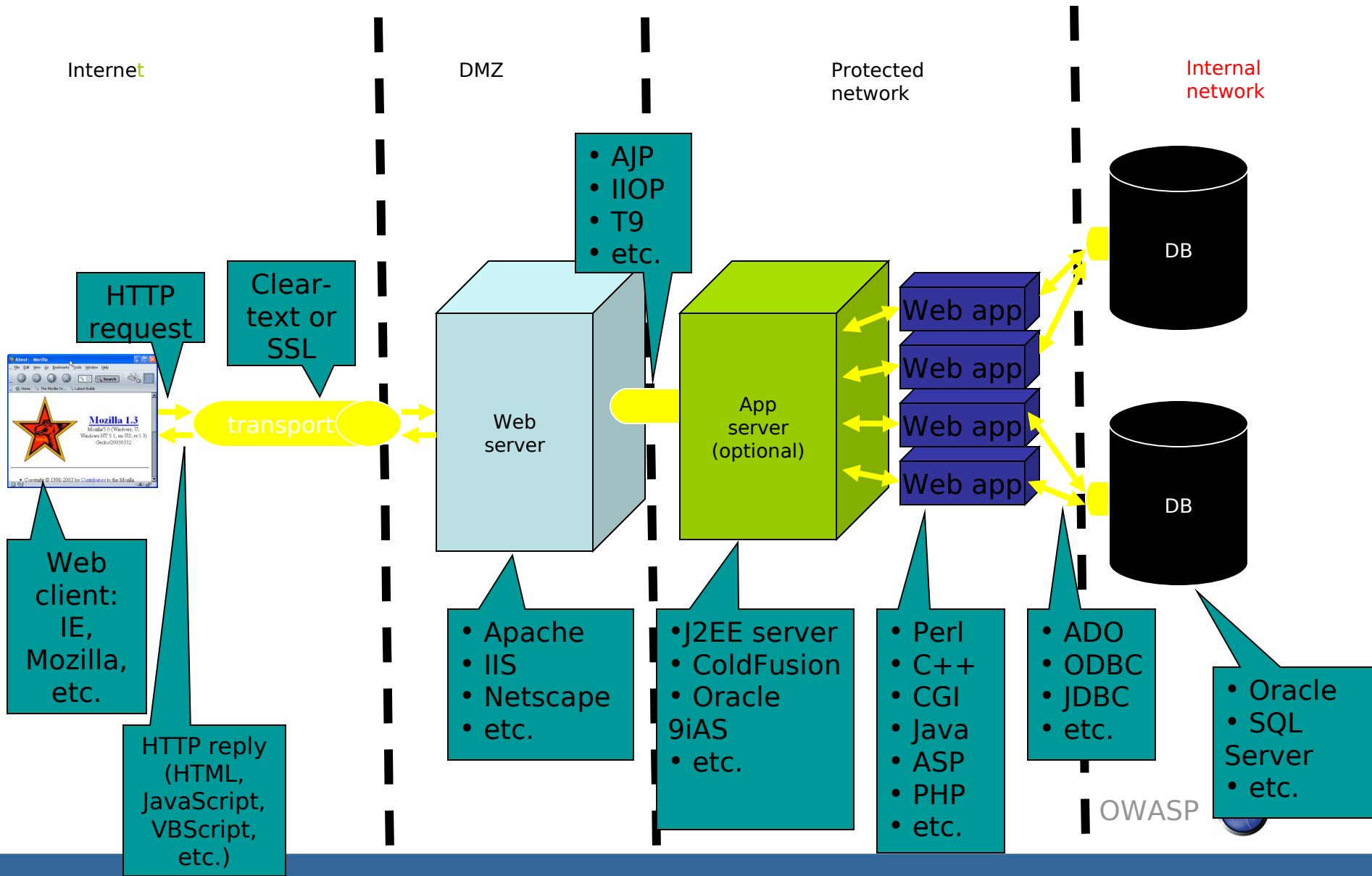
Agenda

- OWASP Introduction
- OWASP Project Parade
- OWASP Near You?

Agenda

- OWASP Introduction
- OWASP Project Parade
- OWASP Near You?

Web Applications - 215M/1M *netcraft



OWASP

- **The Open Web Application Security Project (OWASP Foundation Inc.) established 2001’.**
- **Participation in OWASP is free and open to all**
- **The vision is a software market that produces code that’s secure enough to rely on. The mission (to achieve that vision) is to make security visible (or transparent) so that software buyers and sellers are on equal footing and market forces can work.**
- **International not-for-profit charitable organization funded primarily by volunteers time, OWASP Memberships (\$50 Individuals, \$5k Supporters), and OWASP Conference fees**
- **Website: 6,464 registered users, 21,552,771 page views, and 55,941 page edits , 10k members on mailing lists**

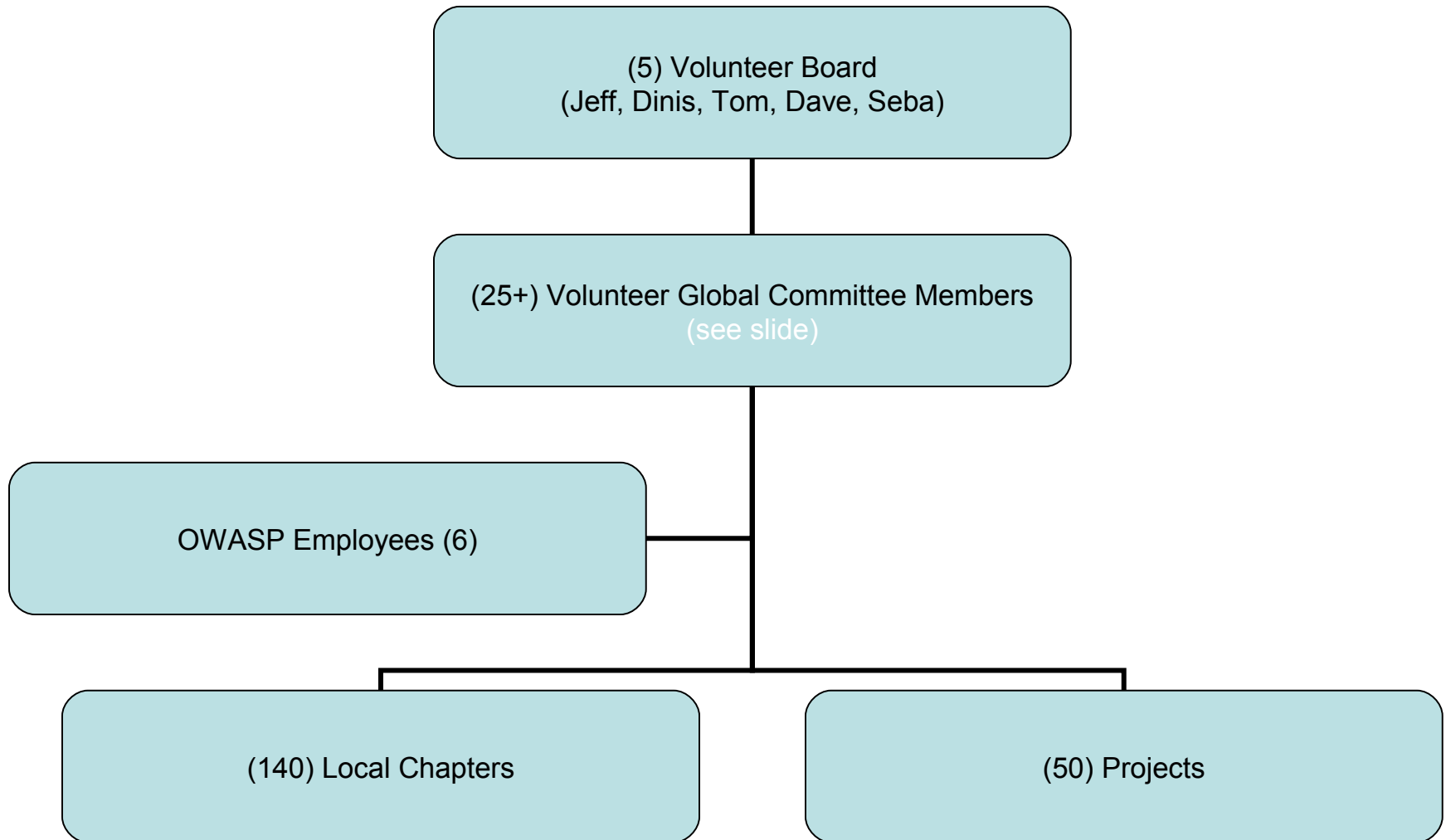
Principles

- Free & Open
- Governed by rough consensus & running code
- Abide by a code of ethics (see ethics)
- Not-for-profit
- Not driven by commercial interests
- Risk based approach

Code of Ethics

- Perform all professional activities and duties in accordance with all applicable laws and the highest ethical principles;
- Promote the implementation of and promote compliance with standards, procedures, controls for application security; Maintain appropriate confidentiality of proprietary or otherwise sensitive information encountered in the course of professional activities;
- Discharge professional responsibilities with diligence and honesty; Refrain from any activities which might constitute a conflict of interest or otherwise damage the reputation of employers, the information security profession, or the Association; and
- Not intentionally injure or impugn the professional reputation of practice of colleagues, clients, or employers.

OWASP FOUNDATION INC. - Structure



Global Committee

OWASP GLOBAL COMMITTEES					
Projects	Membership	Education	Conferences	Industry	Chapters
<ul style="list-style-type: none"> ▪ Dinis Cruz ▪ Jason Li ▪ Matt Tesauro ▪ Leo Cavallari ▪ Pravir Chandra 	<ul style="list-style-type: none"> ▪ Tom Brennan ▪ Dan Cornell ▪ Michael Coates 	<ul style="list-style-type: none"> ▪ Seba Deleersnyder ▪ Martin Knobloch <ul style="list-style-type: none"> ▪ Mano Paul ▪ Eduardo Neves ▪ Kuai Hinjosa ▪ Cecil Su ▪ Fabio Cerullo ▪ Andrzej Targosz 	<ul style="list-style-type: none"> ▪ Kate Hartmann ▪ Wayne Huang ▪ Steve Antoniewicz <ul style="list-style-type: none"> ▪ Dhruv Soj ▪ Mark Bristow 	<ul style="list-style-type: none"> ▪ Tom Brennan ▪ Rex Booth ▪ Georg Hess ▪ Eoin Keary ▪ David Campbell ▪ Colin Watson 	<ul style="list-style-type: none"> ▪ Seba Deleersnyder ▪ Puneet Mehta ▪ Ofer Shezaf ▪ Justin Derry

http://www.owasp.org/index.php/About_OWASP

2009 Organization Supporters

Organization Supporters of OWASP's mission



BEST BUY™

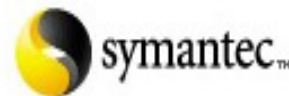
Booz | Allen | Hamilton



DENIM GROUP



invent



OWASP



2009 Educational Supporters



THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT HOUSTON



THE GEORGE
WASHINGTON
UNIVERSITY
WASHINGTON DC



OWASP Mission



The vision is a software market that produces code that's secure enough to rely on.

The mission (to achieve that vision) is to make security visible (or transparent) so that software buyers and sellers are on equal footing and market forces can work.

OWASP Resources and Community

Documentation (Wiki and Books)

- Code Review, Testing, Building, Legal, more ...

Code Projects

- Defensive, Offensive (Test tools), Education, Process, more ...

Chapters

- Over 130 and growing

Conferences

- Major and minor events all around the world



[article](#) [discussion](#) [view source](#) [history](#)

Main Page



Ad Space Available for 2009

navigation

- Home
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- Downloads
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- Global Committees
- AppSec Job Board
- AppSec Conferences
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- Get OWASP Books
- Get OWASP Gear
- Mailing Lists
- About OWASP
- Membership

reference

- How To...
- Principles
- Threat Agents
- Attacks
- Vulnerabilities
- Controls
- Activities
- Technologies
- Glossary
- Code Snippets
- .NET Project
- Java Project

language

- English
- Español

Welcome to OWASP

the free and open application security community

- Top Ten
- WebGoat
- WebScarab
- ESAPI
- ASVS
- AntiSamy
- Development Guide
- Code Review Guide
- Testing Guide
- CLASP
- Contracting
- More...

[About](#) · [Searching](#) · [Editing](#) · [New Article](#) · [OWASP Categories](#)

[Statistics](#) · [Recent Changes](#)

The Open Web Application Security Project (OWASP) is a worldwide free and open community focused on improving the security of application software. Our mission is to make application security "visible," so that people and organizations can make informed decisions about application security risks. Everyone is free to participate in OWASP and all of our materials are available under a free and open software license. The OWASP Foundation is a 501c3 not-for-profit charitable organization that ensures the ongoing availability and support for our work.



You'll find everything [about OWASP](#) here on our wiki. Please feel free to make changes and improve our site. There are hundreds of people around the globe who review the

Special Announcements

- Feb 24 OWASP Software Assurance Day is free! March 13th at DHS Forum in Northern Virginia..
- Feb 23 OWASP traffic is steadily increasing. Our biggest one day in history on 2/10/2009. Fast approaching 500,000 page views a month.
- Feb 23 OWASP Podcast #8 and #9 are live! Two-part appsec newscast.
- Feb 19 OWASP France Call for Papers (CFP).
- Feb 13 OWASP Podcast #7 - Jeff talks about OWASP, ESAPI, XSS prevention, and responds to McGraw.
- Feb 10 Jeff Williams just wrote ClickjackFilter. A Java EE filter to protect against clickjacking using X-FRAME-OPTIONS.
- Feb 07 Aspect just donated a new tool "Scrubbr" to OWASP. Check your databases for XSS stored in there and clean it up.
- Feb 06 ModSecurity Core Rule Set is moving to OWASP! Let's grow an awesome set of rules!



Special

OWASP Application Security Research Grants

130+ chapters



Mailing Lists

- 100+ Mailing Lists
- Local Chapters
- Projects
- Regional/Global Committees

- LinkedIn Group too... 2700+ members

OWASP Conferences (2008-2009)



Summit Portugal



■ 2009 Focus

- ▶ Application security experts from 20+ countries

■ New Free Tools and Guidance (SoC08)

■ New Outreach Program

- ▶ technology vendors, framework providers, and standards bodies
- ▶ new program to provide free one-day seminars at universities and developer conferences worldwide

■ New Global Committee Structure

- ▶ Education, Chapter, Conferences, Industry, Projects, Membership



Agenda

- OWASP Introduction
- **OWASP Project Parade**
- OWASP Near You?

Industry Committee

- Start outreach to critical infrastructures worldwide such as:
 - ▶ electricity generation, transmission and distribution; gas production, transport and distribution;
 - ▶ oil and oil products production, transport and distribution;
 - ▶ telecommunication;
 - ▶ water supply (drinking water, waste water/sewage, stemming of surface water (e.g. dikes and sluices));
 - ▶ agriculture, food production and distribution;
 - ▶ heating (e.g. natural gas, fuel oil, district heating);
 - ▶ public health (hospitals, ambulances);
 - ▶ transportation systems (fuel supply, railway network, airports, harbors, inland shipping);
 - ▶ financial services (banking, clearing);
 - ▶ security services (police, military).

Industry - Accomplishments

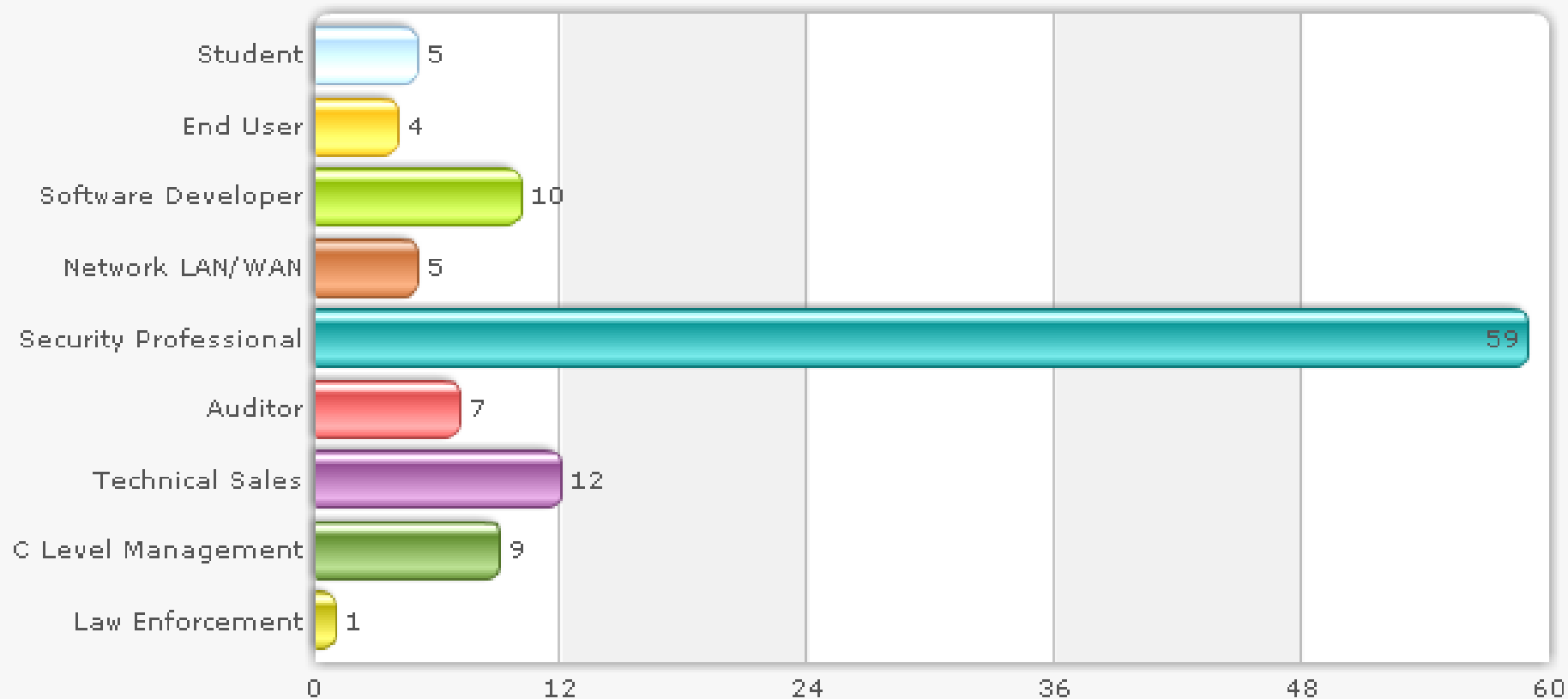
1. Has submitted RFC feedback for both British and US/NIST 800-53 rev 3 standards
2. Have been promoting supporter membership to raise awareness in industry verticals
3. Have established working relationships with ISSA & ISACA to assist with industry focused outreach and international insight

Membership Committee

- **Increase individual membership 100% in 18 months (Individuals)**
 - **Increase organizational supporters 100% in 18 months (Supporters)**
 - **Increase university supporters 100% in 18 months**
-
- 1. Has created and launched a new membership model**
 - 2. Has created and launched Membership drive to support our efforts**
 - 3. Has created video to promote/explain (tbd)**

Chapters Committee

What BEST describes your role in Information Security today?



Total Number of Responses for this Item: 114

Education Committee

- Establish a adoptable program that can be incorporated into Univ., and technical education programs that leverages the efforts of many at OWASP to raise the level of awareness to secure software.
- Training at Conferences
- Obtain grants to further our work

Projects Committee

1. Organizing the next OWASP Season of Code
3. Drafting proposals for standardization and organization of the OWASP Projects page
5. Establishing a baseline assessment of all OWASP Projects

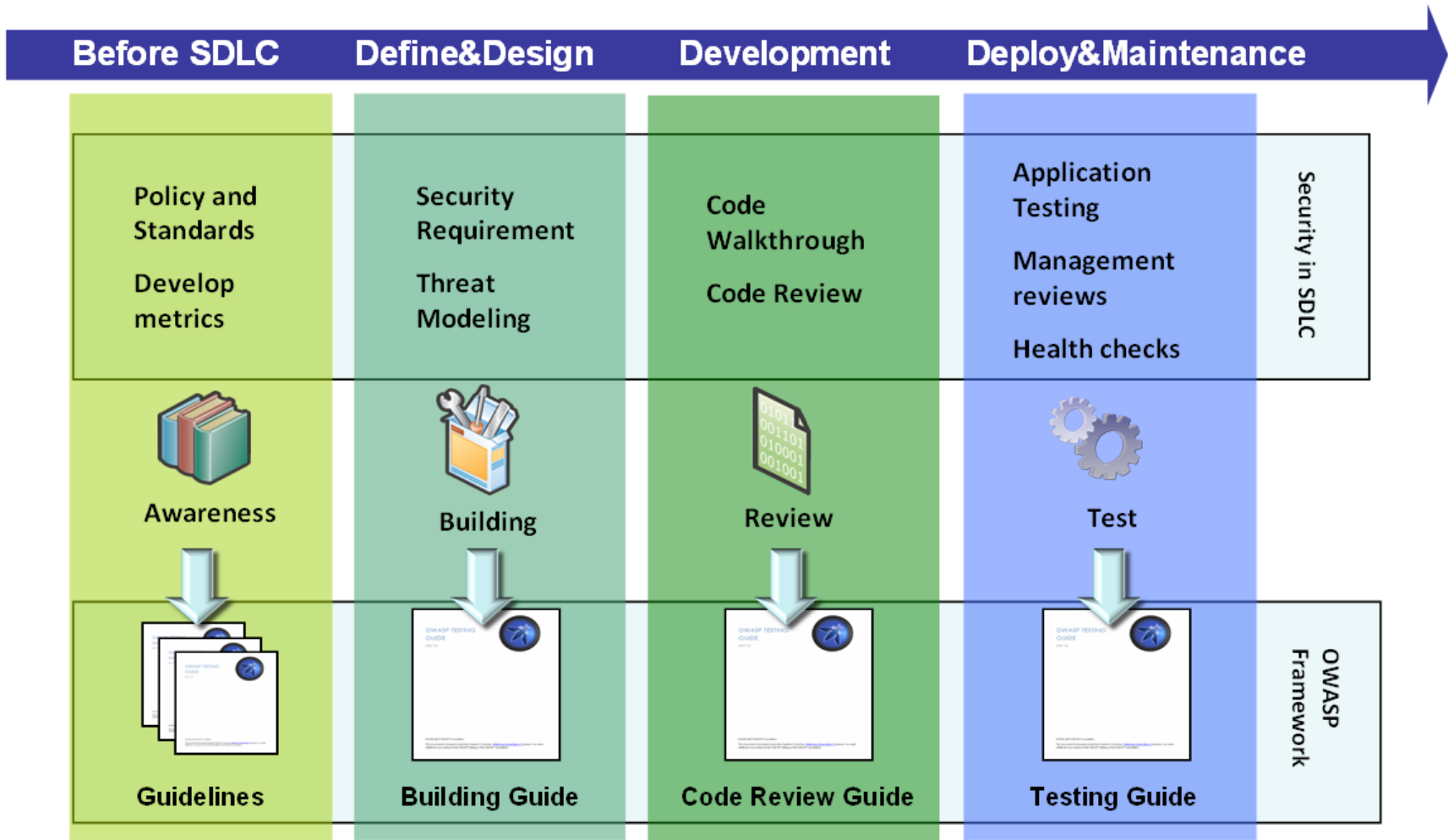
OWASP Projects: Improve Quality and Support

- Define Criteria for Quality Levels
 - ▶ Alpha, Beta, Release



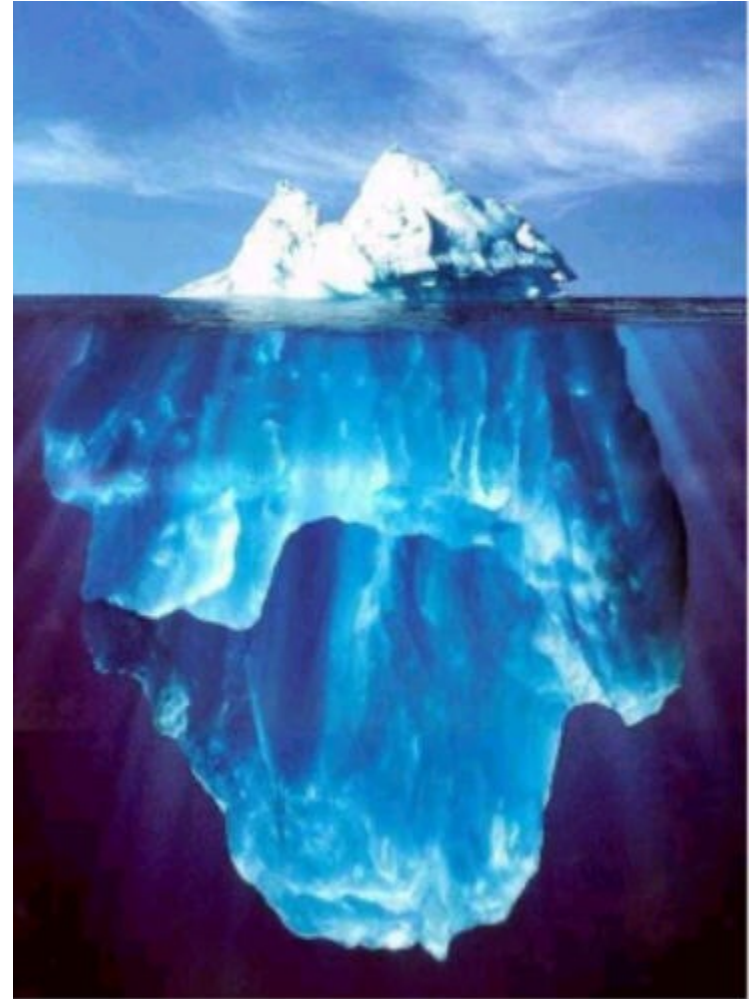
- **PROTECT** - These are tools and documents that can be used to guard against security-related design and implementation flaws.
- **DETECT** - These are tools and documents that can be used to find security-related design and implementation flaws.
- **LIFE CYCLE** - These are tools and documents that can be used to add security-related activities into the Software Development Life Cycle (SDLC).

SDLC



OWASP Top 10

- The Ten Most Critical Web Application Security Vulnerabilities
 - 2007 Release
 - A great start, but not a standard
 - 4th version of the Top 10 200x coming soon
- *Help Wanted



Key Application Security Vulnerabilities

A1: Cross Site Scripting (XSS)

A2: Injection Flaws

A3: Malicious File Execution

A4: Insecure Direct Object Reference

A5: Cross Site Request Forgery (CSRF)

A6: Information Leakage and Improper Error Handling

A7: Broken Authentication and Session Management

A8: Insecure Cryptographic Storage

A9: Insecure Communications

A10: Failure to Restrict URL Access



OWASP

The Open Web Application Security Project
<http://www.owasp.org>

www.owasp.org/index.php?title=Top_10_2007



The 'Big 4' Documentation Projects

Building
Guide

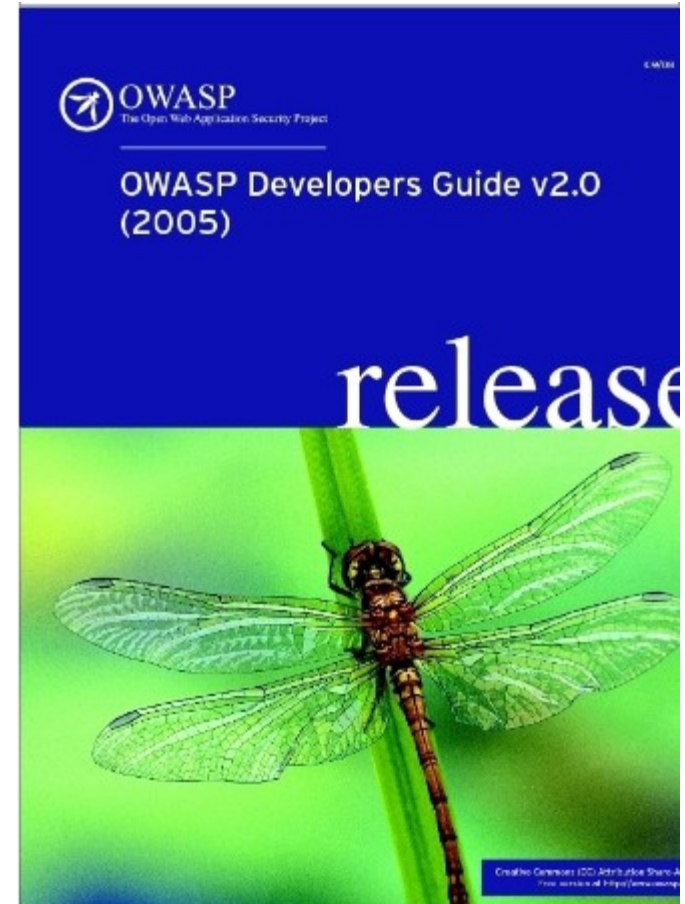
Code
Review
Guide

Testing
Guide

Application Security Desk Reference
(ASDR)

The Developer Guide

- Complements OWASP Top 10
- 310p Book
- Free and open source
 - ▶ Gnu Free Doc License
- Many contributors
- Apps and web services
- Most platforms
 - ▶ Examples are J2EE, ASP.NET, and PHP
- Comprehensive
- Project Leader and Editor
 - ▶ Andrew van der Stock,
vanderaj@owasp.org



Uses of the Guide

■ Developers

- ▶ Use for guidance on implementing security mechanisms and avoiding vulnerabilities

■ Project Managers

- ▶ Use for identifying activities (threat modeling, code review, penetration testing) that need to occur

■ Security Teams

- ▶ Use for structuring evaluations, learning about application security, remediation approaches

Each Topic

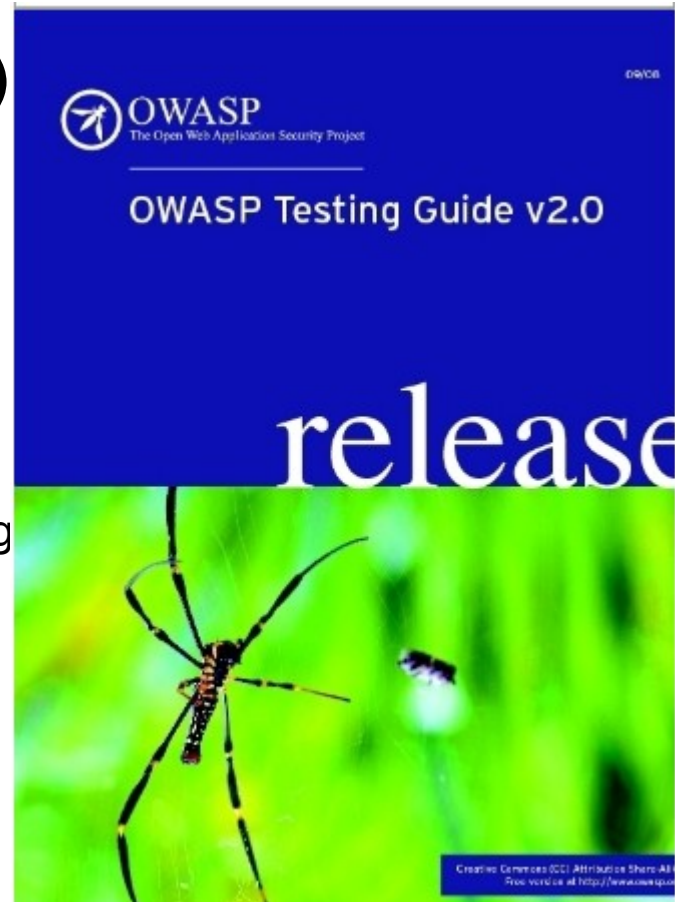
- Includes Basic Information (like OWASP T10)
 - ▶ How to Determine If You Are Vulnerable
 - ▶ How to Protect Yourself

- Adds
 - ▶ Objectives
 - ▶ Environments Affected
 - ▶ Relevant COBIT Topics
 - ▶ Theory
 - ▶ Best Practices
 - ▶ Misconceptions
 - ▶ Code Snippets

Testing Guide (NOW AT VERSION 3.0)

1. Frontispiece
 2. Introduction
 3. The OWASP Testing Framework
 4. Web Application Penetration Testing
 5. Writing Reports: value the real risk
- Appendix A: Testing Tools
- Appendix B: Suggested Reading
- Appendix C: Fuzz Vectors
- Appendix D: Encoded Injection

http://www.owasp.org/index.php/OWASP_Testing_Guide_Contributors



What Is the OWASP Testing Guide?

- V2 → 8 sub-categories (for a total amount of 48 controls)
- V3 → 10 sub-categories (for a total amount of 66 controls)
- 36 new articles!

- Testing Principles
- Testing Process
- Custom Web Applications
 - Black Box Testing
 - Grey Box Testing
- Risk and Reporting
- Appendix: Testing Tools
- Appendix: Fuzz Vectors

- Information Gathering
- **Config. Management Testing**
- Business Logic Testing
- **Authentication Testing**
- **Authorization Testing**
- **Session Management Testing**
- **Data Validation Testing**
- Denial of Service Testing
- Web Services Testing
- Ajax Testing
- **Encoded Appendix**

How the Guide helps the security industry

Testers

- ✓ A structured approach to the testing activities
- ✓ A checklist to be followed
- ✓ A learning and training tool

Organization

- ✓ A tool to understand web vulnerabilities and their impact
- ✓ A way to check the quality of security tests

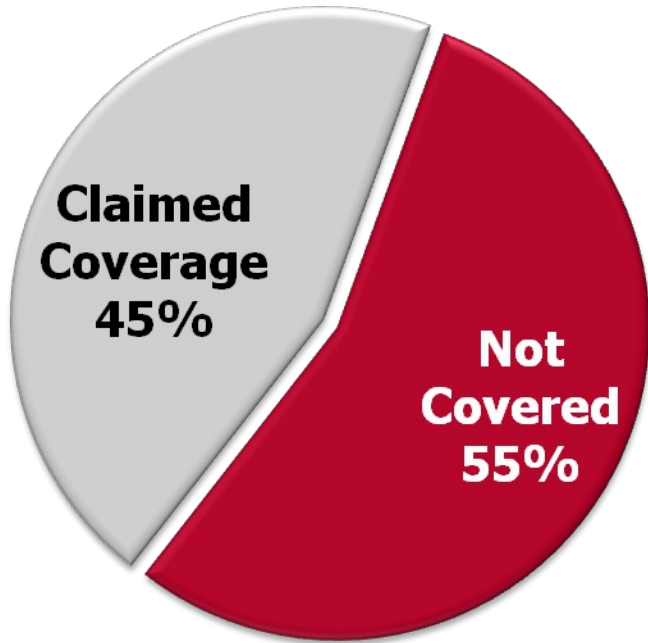
More generally, the Guide aims to provide a pen-testing standard that creates a 'common ground' between the testing groups and its 'customers'.

This will raise the overall quality and understanding of this kind of activity and therefore the general level of security of our applications

Phoneix Project -Tools

- <http://www.owasp.org/index.php/Phoenix/Tools>
- Best known OWASP Tools
 - ▶ WebGoat
 - ▶ WebScarab
- Remember:
 - ▶ A Fool with a Tool is still a Fool – press this button and your secure ;)

Tools - At Best 45%



- MITRE found that all application security tool vendors' claims put together cover only 45% of the known vulnerability types (over 600 in CWE)
- They found very little overlap between tools, so to get 45% you need them all (assuming their claims are true)

- NIST and SAMATF Static Analysis



OWASP WebGoat

Bypass a Path Based Access Control Scheme - Microsoft Internet Explorer

Address <http://localhost/WebGoat/attack?Screen=5&menu=210>

Logout ?

Bypass a Path Based Access Control Scheme

OWASP WebGoat V5.1

◀ Hints ▶ Show Params Show Cookies Show Java Show Solution Lesson Plans

Restart this Lesson

Admin Functions
General
Code Quality
Concurrency
Unvalidated Parameters
Access Control Flaws

[Using an Access Control Matrix](#)
[Bypass a Path Based Access Control Scheme](#)
[LAB: Role Based Access Control](#)
[Stage 1: Bypass Business Layer Access Control](#)
[Stage 2: Add Business Layer Access Control](#)
[Stage 3: Bypass Data Layer Access Control](#)
[Stage 4: Add Data Layer Access Control](#)
[Remote Admin Access](#)

Authentication Flaws
Session Management Flaws
Cross-Site Scripting (XSS)
Buffer Overflows
Injection Flaws
Improper Error Handling
Insecure Storage
Denial of Service
Insecure Configuration
Web Services

The 'guest' user has access to all the files in the lesson_plans directory. Try to break the access control mechanism and access a resource that is not in the listed directory. After selecting a file to view, WebGoat will report if access to the file was granted. An interesting file to try and obtain might be a file like tomcat/conf/tomcat-users.xml

Current Directory is: C:\WebGoat-5.1\tomcat\webapps\WebGoat\lesson_plans

Choose the file to view:

- AccessControlMatrix.html
- BackDoors.html
- BasicAuthentication.html
- BlindSqlInjection.html
- BufferOverflow.html
- ChallengeScreen.html
- ClientSideFiltering.html
- ClientSideValidation.html
- CommandInjection.html
- ConcurrencyCart.html
- CrossSiteScripting.html
- CSRF.html
- DangerousEval.html
- DBCrossSiteScripting.html
- DBSQLInjection.html

View File

Viewing file: C:\WebGoat-5.1\tomcat\webapps\WebGoat\lesson plans

Local intranet



OWASP WebScarab

The screenshot displays the OWASP WebScarab application window. The title bar reads "WebScarab". The menu bar includes "File", "View", "Tools", and "Help". Below the menu bar is a toolbar with buttons for "Summary", "Message log", "Proxy", "Manual Request", "WebServices", "Spider", "Extensions", "SessionID Analysis", "Scripted", "Fragments", "Fuzzer", and "Compare".

The main window is divided into several sections. At the top, there is a "Summary" tab. Below it, a "Tree Selection filters conversation list" section shows a tree view of the website structure:

- http://www.owasp.org:80/
 - banners/
 - images/
 - index.php/
 - Main_Page
 - skins/

Below the tree view is a table with columns: "Url", "Methods", "Status", "Set-Cookie", "Comments", and "Scripts".

Url	Methods	Status	Set-Cookie	Comments	Scripts
http://www.owasp.org:80/	GET	301 Moved ...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
http://www.owasp.org:80/index.php/Main_Page	GET	200 OK	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

At the bottom of the window is a detailed log table with columns: "ID", "Date", "Method", "Host", "Path", "Parameters", "Status", and "Origin".

ID	Date	Method	Host	Path	Parameters	Status	Origin
5	2006/06/23...	GET	http://www.owasp.org:80	/skins/monobook/main... ??		200 OK	Proxy
4	2006/06/23...	GET	http://www.owasp.org:80	/skins/common/IEFixes...		200 OK	Proxy
3	2006/06/23...	GET	http://www.owasp.org:80	/skins/common/commo...		200 OK	Proxy
2	2006/06/23...	GET	http://www.owasp.org:80	/index.php/Main_Page		200 OK	Proxy
1	2006/06/23...	GET	http://www.owasp.org:80	/		301 Moved ...	Proxy

The status bar at the bottom left shows "5.27 / 63.56".

OWASP CSRFTester

The screenshot shows the OWASP CSRFTester application window. The title bar reads "OWASP CSRFTester". Below the title bar is a menu bar with "File" and "Options". The main area contains the text "OWASP CSRFTester" and two buttons: "Clear All" and "Stop Recording".

Step	Method	URL	Parameters	Pause
Request 18	GET	http://www.google-anal...		63
Request 19	GET	http://www.owasp.org/...		15
Request 25	GET	http://www.owasp.org/...		125
Request 28	GET	http://www.owasp.org/...		312
Request 29	GET	http://www.owasp.org/...		31
Request 32	GET	http://www.owasp.org/...		62
Request 33	GET	http://www.owasp.org/...		109
Request 34	GET	http://www.owasp.org/...		109
Request 36	GET	http://www.google-anal...		78
Request 37	GET	http://www.google.com/...		94
Request 39	GET	http://www.google.com/...		109

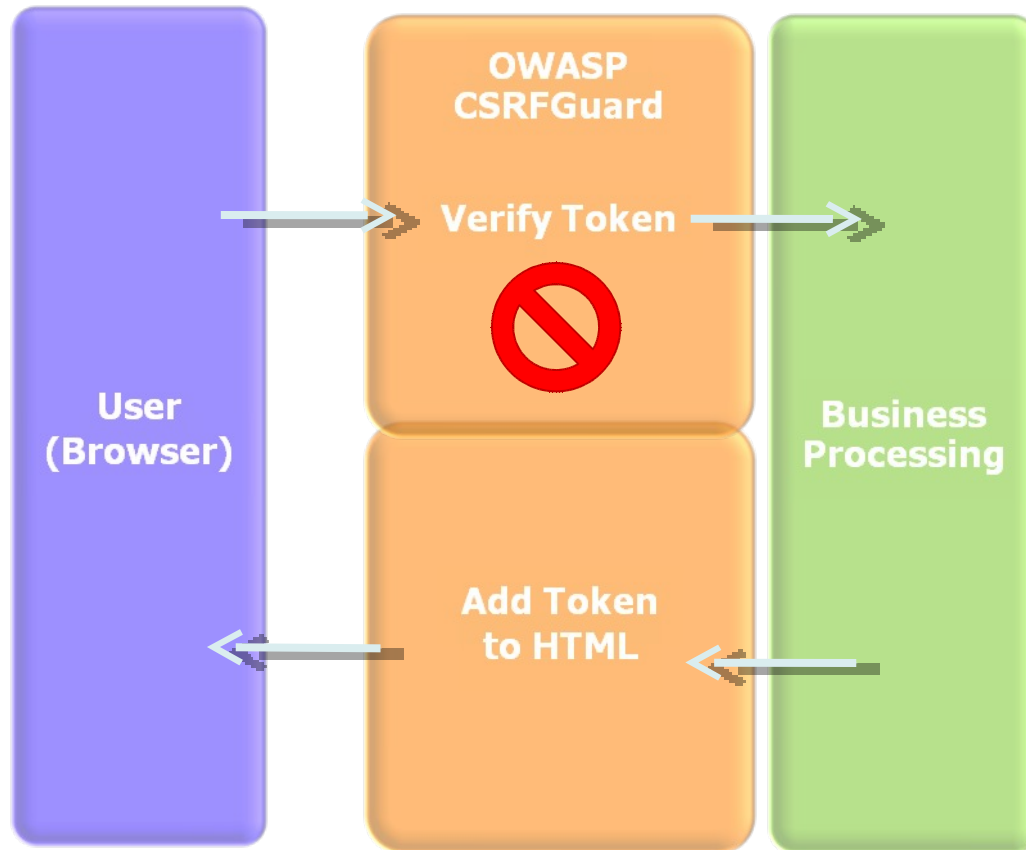
Below the table, the details for Request 36 are shown. The method is "GET" and the URL is "http://www.google-analytics.com:80/__utm.gif".

Query Parameters	Form Parameters
utmw=1	
utmn=524956485	
utmcs=UTF-8	
utmsr=1280x1024	

At the bottom, there are fields for "Include Regex" (value: ".*") and "Exclude Regex" (value: ".\\.(gif|jpg|png|css|ico|js|axdl|?.*|ico)\$"). There are "Reset" buttons for both. The "Report Type" section has radio buttons for "Forms" (selected), "iFrame", "IMG", "XHR", and "Link". There is a checked checkbox for "Display in Browser" and a "Generate HTML" button.

Moving to row 21

OWASP CSRFGuard 2.0



■ Adds token to:

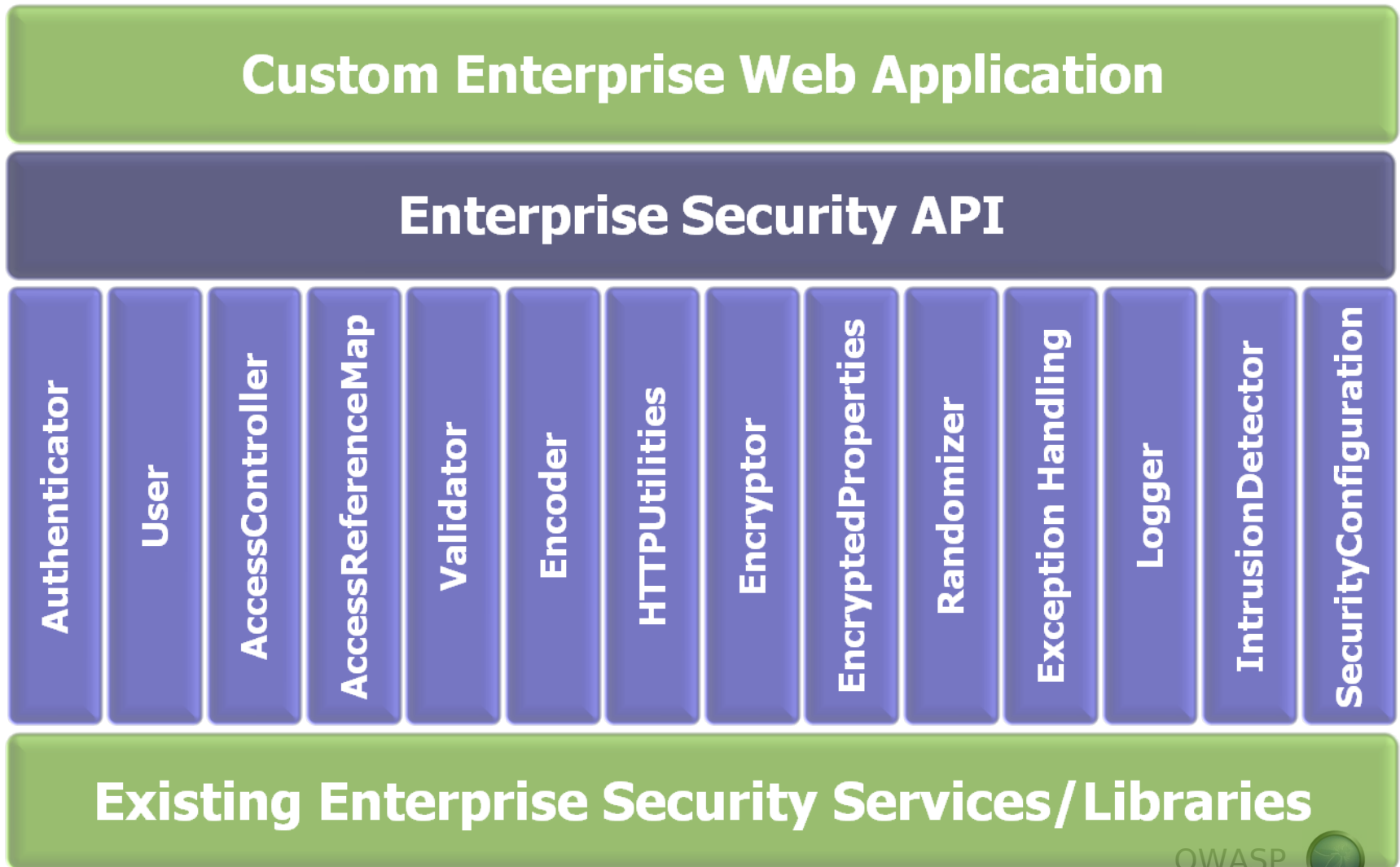
- ▶ href attribute
- ▶ src attribute
- ▶ hidden field in all forms

■ Actions:

- ▶ Log
- ▶ Invalidate
- ▶ Redirect

<http://www.owasp.org/index.php/CSRFGuard>

The OWASP Enterprise Security API



Coverage

OWASP Top Ten

A1. Cross Site Scripting (XSS)

A2. Injection Flaws

A3. Malicious File Execution

A4. Insecure Direct Object Reference

A5. Cross Site Request Forgery (CSRF)

A6. Leakage and Improper Error Handling

A7. Broken Authentication and Sessions

A8. Insecure Cryptographic Storage

A9. Insecure Communications

A10. Failure to Restrict URL Access

OWASP ESAPI

Validator, Encoder

Encoder

HTTPUtilities (upload)

AccessReferenceMap

User (csrftoken)

EnterpriseSecurityException, HTTPUtils

Authenticator, User, HTTPUtils

Encryptor

HTTPUtilities (secure cookie, channel)

AccessController



Create Your ESAPI Implementation

■ Your Security Services

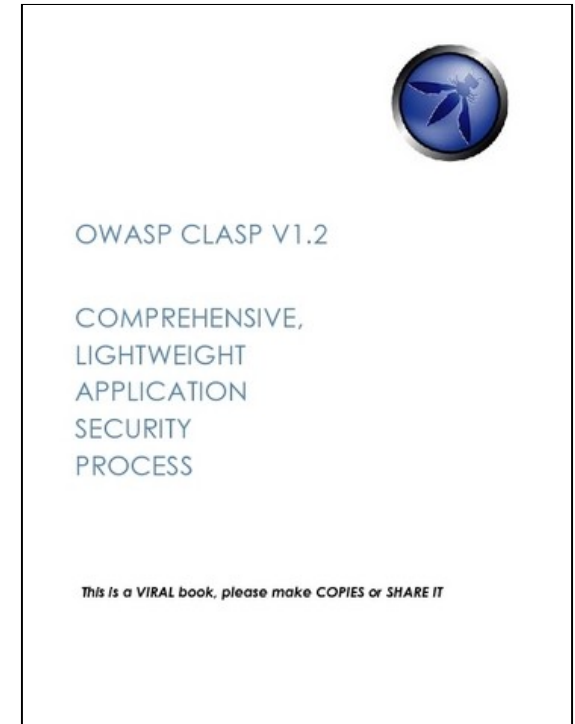
- ▶ Wrap your existing libraries and services
- ▶ Extend and customize your ESAPI implementation
- ▶ Fill in gaps with the reference implementation

■ Your Coding Guideline

- ▶ Tailor the ESAPI coding guidelines
- ▶ Retrofit ESAPI patterns to existing code

OWASP CLASP

- Comprehensive, Lightweight Application Security Process
 - ▶ Prescriptive and Proactive
 - ▶ Centered around 7 AppSec Best Practices
 - ▶ Cover the entire software lifecycle (not just development)
- Adaptable to any development process
 - CLASP defines roles across the SDLC
 - 24 role-based process components
 - Start small and dial-in to your needs



The CLASP Best Practices

2. Institute awareness programs
3. Perform application assessments
4. Capture security requirements
5. Implement secure development practices
6. Build vulnerability remediation procedures
7. Define and monitor metrics
8. Publish operational security guidelines

OWASP

Software Assurance Maturity Model (SAMM)

- The 4 Disciplines are high-level categories for activities
 - ▶ Three security Functions under each Discipline are the specific silos for improvement within an organization

Alignment & Governance

Requirements & Design

Verification & Assessment

Deployment & Operations

Disciplines

Education & Guidance

Threat Modeling

Architecture Review

Vulnerability Management

Functions

Standards & Compliance

Security Requirements

Code Review

Infrastructure Hardening

Strategic Planning

Defensive Design

Security Testing

Operational Enablement

Want More ?

- OWASP .NET Project
- OWASP ASDR Project
- OWASP AntiSamy Project
- OWASP AppSec FAQ Project
- OWASP Application Security Assessment Standards Project
- OWASP Application Security Metrics Project
- OWASP Application Security Requirements Project
- OWASP CAL9000 Project
- OWASP CLASP Project
- OWASP CSRFGuard Project
- OWASP CSRFTester Project
- OWASP Career Development Project
- OWASP Certification Criteria Project
- OWASP Certification Project
- OWASP Code Review Project
- OWASP Communications Project
- OWASP DirBuster Project
- OWASP Education Project
- OWASP Encoding Project
- OWASP Enterprise Security API
- OWASP Flash Security Project
- OWASP Guide Project
- OWASP Honeycomb Project
- OWASP Insecure Web App Project
- OWASP Interceptor Project
- OWASP JBroFuzz
- OWASP Java Project
- OWASP LAPSE Project
- OWASP Legal Project
- OWASP Live CD Project
- OWASP Logging Project
- OWASP Orizon Project
- OWASP PHP Project
- OWASP Pantera Web Assessment Studio Project
- OWASP SASAP Project
- OWASP SQLiX Project
- OWASP SWAAT Project
- OWASP Sprajax Project
- OWASP Testing Project
- OWASP Tools Project
- OWASP Top Ten Project
- OWASP Validation Project
- OWASP WASS Project
- OWASP WSFuzzer Project
- OWASP Web Services Security Project
- OWASP WebGoat Project
- OWASP WebScarab Project
- OWASP XML Security Gateway Evaluation Criteria Project
- OWASP on the Move Project

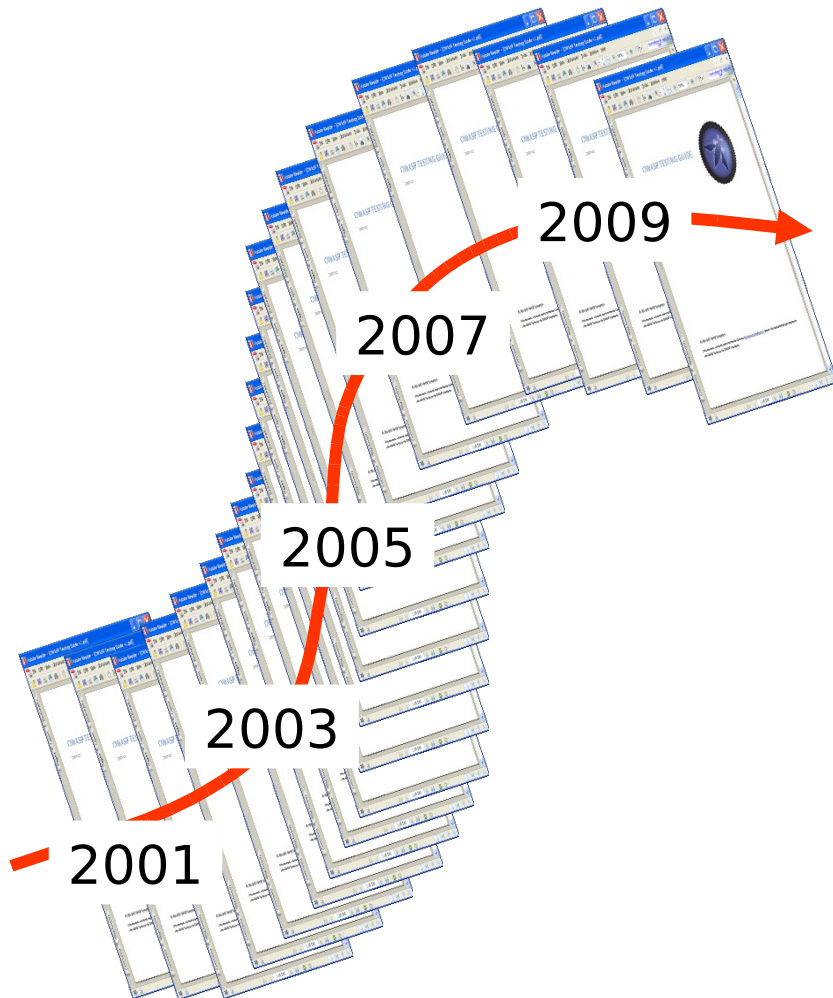
SoC2008 selection



- OWASP Code review guide, V1.1
- The Ruby on Rails Security Guide v2
- OWASP UI Component Verification Project (a.k.a. OWASP JSP Testing Tool)
- Internationalization Guidelines and OWASP-Spanish Project
- OWASP Application Security Desk Reference (ASDR)
- OWASP .NET Project Leader
- OWASP Education Project
- The OWASP Testing Guide v3
- OWASP Application Security Verification Standard
- Online code signing and integrity verification service for open source community (OpenSign Server)
- Securing WebGoat using ModSecurity
- OWASP Book Cover & Sleeve Design
- OWASP Individual & Corporate Member Packs, Conference Attendee Packs Brief
- OWASP Access Control Rules Tester
- OpenPGP Extensions for HTTP - Enigform and mod_openpgp
- OWASP-WeBekci Project
- OWASP Backend Security Project
- OWASP Application Security Tool Benchmarking Environment and Site Generator refresh
- Teachable Static Analysis Workbench
- OWASP Positive Security Project
- GTK+ GUI for w3af project
- OWASP Interceptor Project - 2008 Update
- Skavenger
- SQL Injector Benchmarking Project (SQLiBENCH)
- OWASP AppSensor - Detect and Respond to Attacks from Within the Application
- Owasp Orizon Project
- OWASP Corporate Application Security Rating Guide
- OWASP AntiSamy .NET
- Python Static Analysis
- OWASP Classic ASP Security Project
- OWASP Live CD 2008 Project



OWASP Projects Are Alive!



Agenda

- OWASP Introduction
- OWASP Project Parade
- OWASP Near You?

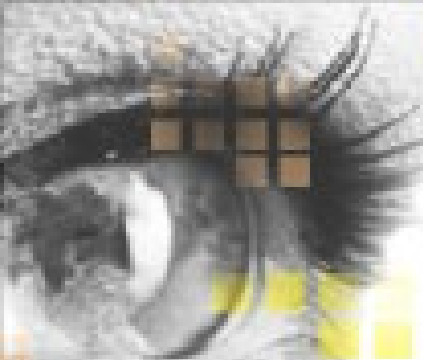


Got OWASP?



Upcoming “Big” Conferences

- **OWASP AppSec Europe 2009 - Poland May 11th-14th - 3 track conference and 8 tutorials, Krakow, Poland**
- **OWASP AppSec Ireland 2009 September 10th Conference at Trinity College in Dublin November 2009**
- **OWASP AppSec US 2009 - November Washington, D.C.**



OWASP USA, NYC

AppSec 2008 Conference

Sept 24th - 25th 2008



Two days of Seminars and Technology Pavilion from the world's best application security technology minds, two days of hardcore hands-on training.



www.owasp.tv

56 videos

40+ hrs

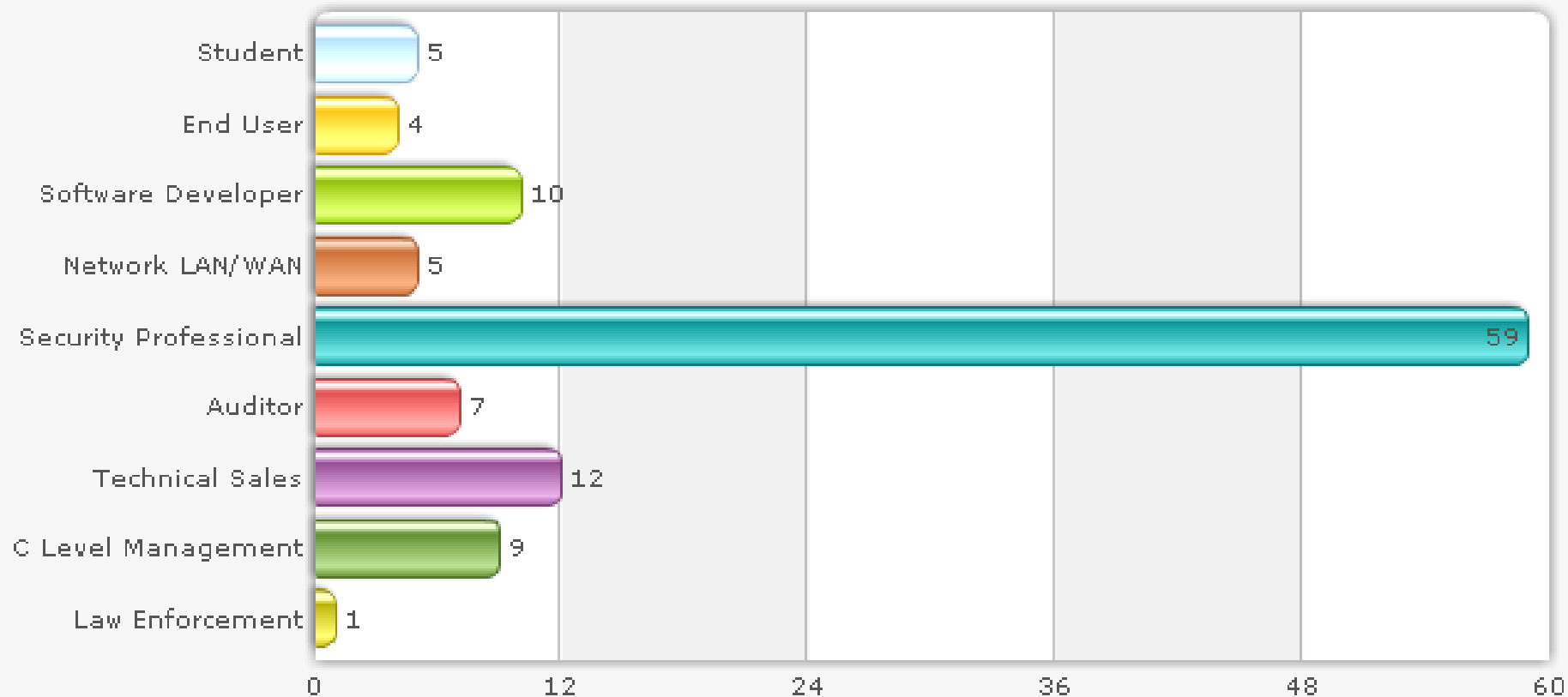


Local Chapter Resources

- Local Meetings
- Regional Mailing List
- Presentations
- Forum for discussion
- Meet fellow InfoSec professionals
- Create (Web)AppSec awareness
- Local projects
- JOBS = http://www.owasp.org/index.php/OWASP_Jobs

Who comes to a OWASP meeting?

What BEST describes your role in Information Security today?



Total Number of Responses for this Item: 114

TTD

- Visit www.owasp.org
- Find your local chapter / conferences
- Listen to PodCasts
- Watch Videos
- Read Materials
- Post your (Web)AppSec questions
- Spread the word invite peers
 - ▶ Pentagon City Mall / 6pm Phones @ Panda Express
- Contribute to discussions

Get Involved

WWW.OWASP.ORG

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