



OWASP London
28th April 2016



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The Open Web Application Security Project



- Networking, food and beer
- Welcome and OWASP Update
Sam Stepanyan
- Threat Intelligence (remote talk)
Sherif Mansour
- Drones and their Flaws
Aatif Khan
- ----- short break -----
- How (NOT) to Code Your Ransomware
Livi Itoafa
- OWASP Roundup
Sam Stepanyan
- Networking in the pub, more beer

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global strategic group



Software powers the world, but insecure software threatens safety, trust, and economic growth. The Open Web Application Security Project (OWASP) is dedicated to making application security visible by empowering individuals and organizations to make informed decisions about true application security risks.

OWASP boasts 46,000+ participants, more than 65 organizational supporters, and even more academic supporters.

As a 501(c)(3) not-for-profit worldwide charitable organization, OWASP does not endorse or recommend commercial products or services. Instead, we allow our community to remain vendor neutral with the collective wisdom of the best individual minds in application security worldwide. This simple rule is the key to our success since 2001.

Your individual and corporate membership powers the organization and helps us [serve the mission](#). Please consider becoming an OWASP member today!



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Care to see our global membership demographics? [Membership Demographics as of January 2014](#)



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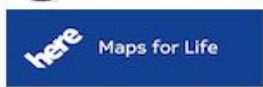


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SAMM in the News



- <http://www.prnewswire.com/news-releases/owasp>



Software Assurance Maturity Model v1.1

Maturity Levels

Each of the twelve Security Practices has three defined Maturity Levels and an implicit starting point at zero. The details for each level differs between the Practices, but they generally represent:

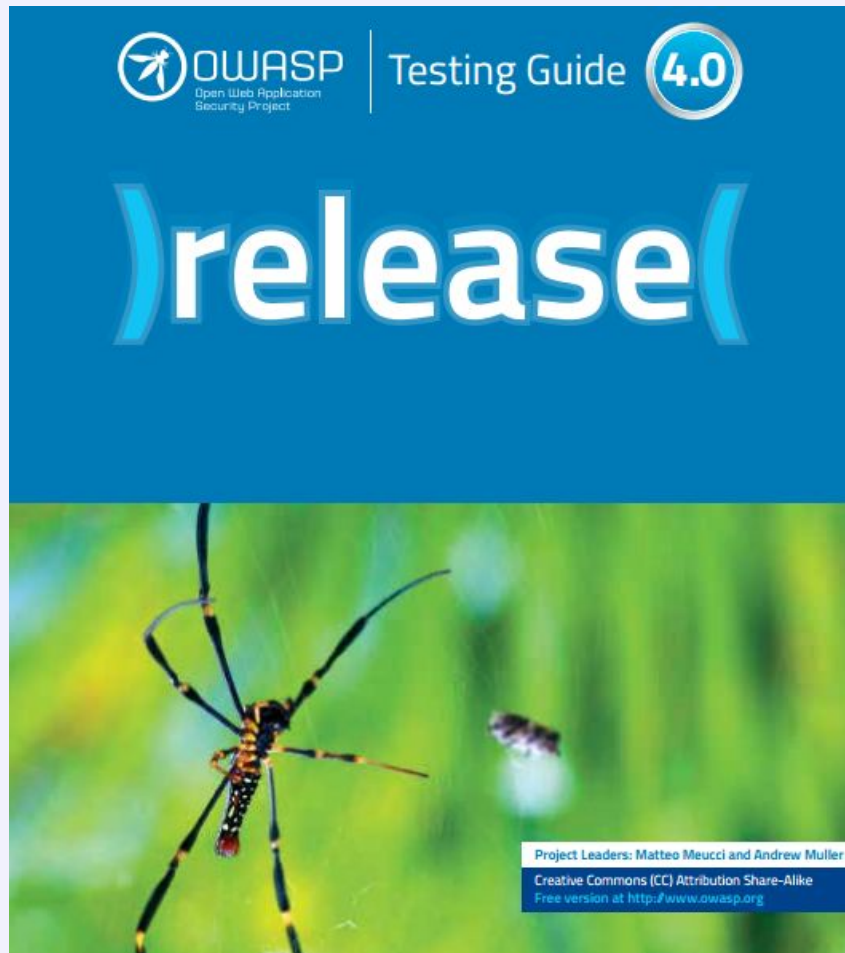
- 0** Implicit starting point representing the activities in the Practice being unfulfilled
- 1** Initial understanding and ad hoc provision of Security Practice
- 2** Increase efficiency and/or effectiveness of the Security Practice
- 3** Comprehensive mastery of the Security Practice at scale





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Version 4

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



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The OWASP Top Ten Proactive Controls 2016 is a list of security concepts that should be included in every software development project. They are ordered by order of importance, with control number 1 being the most important.

1. Verify for Security Early and Often
2. Parameterize Queries
3. Encode Data
4. Validate All Inputs
5. Implement Identity and Authentication Controls
6. Implement Appropriate Access Controls
7. Protect Data
8. Implement Logging and Intrusion Detection
9. Leverage Security Frameworks and Libraries
10. Error and Exception Handling



The screenshot shows the WebGoat website interface. At the top left, there is a red header with the 'WEBGOAT' logo. Below the header, a navigation sidebar on the left contains links for 'Project Links', 'Documentation', 'Builds', 'WebGoat 6.0', 'Nightly', and 'Survey'. The main content area features a red button for 'Download tar.gz', another red button for 'Download .zip', and a section titled 'Ever met a myotonic goat?' with text explaining the metaphor of myotonic goats and bad code. Below this is a section titled 'Meet Hack, the WebGoat!' with text describing the application's purpose and a survey link.

WebGoat Version 7.0.1

1st February 2016

<https://github.com/>

WebGoat is a deliberately insecure application that allows interested developers just like you to *test vulnerabilities* commonly found in Java-based applications that use common and popular open source components.



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- Remote “lightning” talk



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OWASP Internet of Things Project

[Main](#)

[IoT Attack Surface Areas](#)

[Top 10 IoT Vulnerabilities \(2014\)](#)

[Firmware Analysis](#)

[ICS/SCADA](#)

[IoT Security Guideline](#)

[Community](#)

[ed

[Project About](#)



OWASP Internet of Things (IoT) Project

Oxford defines the Internet of Things as: "A proposed development of the Internet in which everyday objects have network connectivity, allowing them to send and receive data."

The OWASP Internet of Things Project is designed to help manufacturers, developers, and consumers better understand the security issues associated with the Internet of

What is the OWASP Internet of Things Project?

The OWASP Internet of Things Project provides:

- [IoT Attack Surface Areas](#)

Email List

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[IoT Attack Surface Mapping DEFCON 23](#)

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The screenshot shows a web browser displaying the OWASP Anti-Ransomware Guide Project page. The page has a light green header with a navigation bar containing 'Page Discussion', 'Read', 'View source', 'View history', and a search box. The main title is 'OWASP Anti-Ransomware Guide Project'. Below the title is a secondary navigation bar with 'Main', 'FAQs', 'Acknowledgements', 'Road Map and Getting Involved', and 'Project About'. A large blue banner features the OWASP logo and the text 'OWASP Open Web Application Security Project'. The main content area is titled 'The OWASP Anti-Ransomware Guide' and contains a paragraph of text. To the right, there are sections for 'Project Leaders' (listing Christopher M Frenz and Christian Diaz) and 'Download' (listing Version 1.0). A sidebar on the left contains a list of navigation links. At the bottom, a Windows taskbar is visible with several open files.

Log in Request acc

Page Discussion Read View source View history Search

OWASP Anti-Ransomware Guide Project

Main FAQs Acknowledgements Road Map and Getting Involved Project About



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The OWASP Anti-Ransomware Guide

Open up any newspaper or news site and an increasingly common headline is becoming "hospital held for ransom". While hospitals and other organizations often have downtime procedures that let them revert back to paper for dealing with power outages and other disasters, it is still a nightmare scenario to find your entire organization's IT infrastructure screeching to a halt all because someone clicked on a malicious link or opened a questionable email attachment. Moreover, many organizations have a significant number of legacy systems that make security a challenge and beyond very basic security provisions often do not have a corporate culture that is heavily focused on information security. This has left many

Project Leaders

- Christopher M Frenz
- Christian Diaz

Download

- Version 1.0

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AppSec EU 2016



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OWASP AppSec Europe '16

27/06/2016 - 01/07/2016

WELCOME TO ROME

27 June – 1 July 2016

Rome

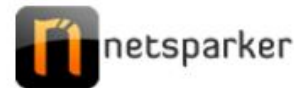


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Thank You



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Speakers

- Aatif Khan
- Liviu Itoafa

Your Chapter Leaders

- Sam Stepnyan
- Sherif Mansour

Hosts for this event

- Skype (Microsoft)
- Christian Martorella



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"OWASP 24/7" is series of recorded broadcasts, highlighting OWASP projects and people from around the world. The available on demand, at anytime, anywhere on the planet. You are welcome to embed the broadcasts on your page, listening or keep up to date by subscribing to the iTunes channel.

As of March 21, 2016, we had over 133,500+ plays of the broadcast.

As of February 25, 2016, we had over 127,000+ plays of the broadcast.

As of January 22, 2016, we had over 120,000+ plays of the broadcast.

As of November 24, 2015, we had over 114,100+ plays of the broadcast.

Staying in Touch OWASP London



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Call For Speakers For Future Events

Do you have a great Web Application Security Related Talk?

3 Tracks:

- Breakers
- Defenders
- Builders

*Submit the abstract of your talk and your bio to: **owasplondon (at) owasp.org***



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Drinks and Networking “The Inn Of Court Pub”

18 Holborn
(across the road)

