Getting to know OWASP: improving the security of software



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What is OWASP?

- Open Web Application Security Project (OWASP) is a Global nonprofit foundation improving the security of software.
- The OWASP Foundation is the source for developers and technologists to secure the web:
 - Over 200 local chapters worldwide
 - ~70 000 members
 - Leading educational and training conferences



The OWASP Community and our mission

- 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.



Session at Global AppSec Amsterdam



It's all for free

- Everyone is free to participate in OWASP and all of our materials are available under a free and open software license.
- All OWASP events (except conferences) are free to attend by both members and nonmembers of OWASP - and can be attended by anyone who is interested in Application Security and Cyber Security in general.



Member Lounge at OWASP Conference



The OWASP Foundation

- We are a Global not-for-profit charitable organization
- Vendor-Neutral Community
- Collective Wisdom of the Best Minds in Application Security Worldwide
- Provide **free** tools, guidance, documentation
- Meetings are free to attend (usually free drinks & food included)
- Meetings are usually 1 to 2-hours seminars, sometime with hands on demos



We are all VOLUNTEERS!



45,000+ OWASP volunteers worldwide



OWASP Video - We Are The Crazy Ones https://www.youtube.com/watch?v=I8h563Q-GGA



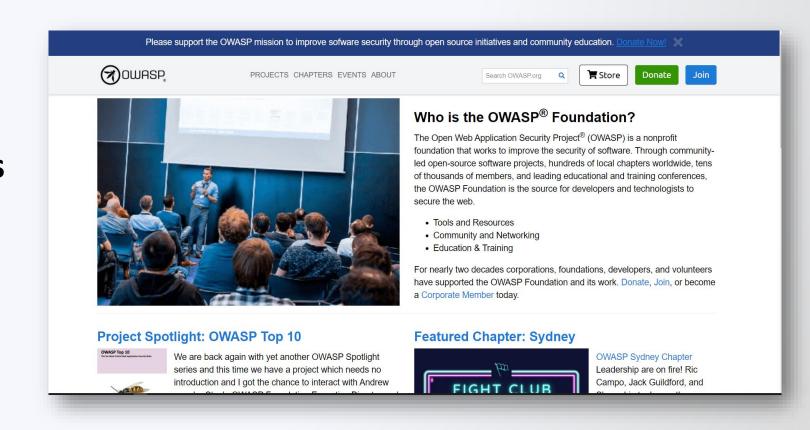
World Wide

207 local Chapters in 56 countries... and counting!



THE Website: https://owasp.org

Annually, ~7 million technologists & developers unique-visitors use owasp.org



OWASP Projects

• 189 Projects including 20 Flagship Projects

Flagship Projects



- OWASP Amass
- OWASP Application Security Verification Standard
- OWASP Cheat Sheet Series
- OWASP CSRFGuard
- OWASP CycloneDX
- OWASP Defectdoio
- OWASP Dependency-Check
- OWASP Dependency-Track
- OWASP Juice Shop
- OWASP Mobile Security Testing Guide
- OWASP ModSecurity Core Rule Set
- OWASP OWTF
- OWASP SAMM
- OWASP Security Knowledge Framework
- OWASP Security Shepherd
- OWASP Top Ten
- OWASP Web Security Testing Guide
- OWASP ZAP

Lab Projects



- OWASP AntiSamv
- OWASP API Security Project
- OWASP Attack Surface Detector
- OWASP Automated Threats to Web Applications
- OWASP Benchmark
- OWASP Code Pulse
- OWASP Cornucopia
- OWASP Enterprise Security API (ESAPI)
- OWASP Find Security Bugs
- OWASP Internet of Things
- OWASP Java HTML Sanitizer
- OWASP mobile security
- OWASP Mobile Top 10
- OWASP Proactive Controls
- OWASP Secure Coding Dojo
- OWASP Security Pins
- OWASP Snakes And Ladders
- OWASP Top 10 Privacy Risks
- OWASP TorBot
- OWASP Vulnerable Web Applications Directory
- OWASP WebGoat

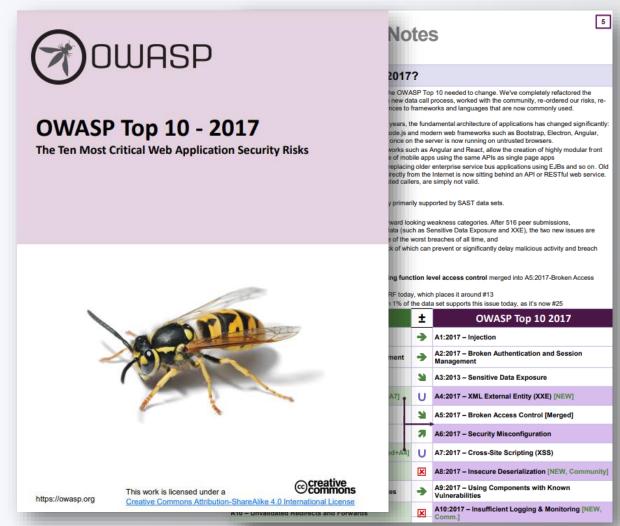
Incubator Projects

- OWASP .Net
- OWASP Android Security Inspector Toolkit
- OWASP APICheck OWASP Application Gateway
- OWASP Appsec Pipeline
- OWASP Big Data Security Verification Standard
- OWASP Bug Logging Tool
 OWASP Cloud-Native Security Project
- OWASP Core Business Application Security
- OWASP CSREProtector Project
- OWASP Cyber Controls Matrix (OCCM) OWASP Cyber Defense Framework
- OWASP Cyber Defense Matrix
- OWASP Cyber Scavenger Hunt OWASP D4N155
- OWASP Devsecops Maturity Mode
- OWASP Docker Top 10 OWASP DPD (DDOS Prevention using DP)
- OWASP Go Secure Coding Practices Guid
- OWASP Honeypot OWASP How to Get Into AppSec
- OWASP Information Security Metrics Ban
- OWASP Integration Standards
- OWASP Maryam
- OWASP Mobile Audit
- OWASP Nettacker OWASP Node.js Goat
- OWASP O-Saft
- OWASP Ontology Driven Threat Modeling Framework OWASP Patton
- · OWASP Penetration Testing Kit
- OWASP purpleteam
- OWASP Pyropat
- OWASP pytm
- OWASP Risk Assessment Frameworl
- OWASP SamuraiWTF
- OWASP Sectudo
- OWASP Secure Headers Project
- OWASP Secure Logging Benchmark OWASP secureCodeB
- OWASP SecureFlag Open Platform
- OWASP SecureTea Project
- OWASP Security Qualitative Metrics
- OWASP Serverless Top 10
- OWASP SideKEK
- OWASP Software Component Verification Standard
- OWASP Project Spotlight Series OWASP Single Sign-On
- . OWASP Threat and Safeguard Matrix (TaSM)
- OWASP Threat Dragger OWASP Threat Model Cookboo
- OWASP Top 10 Card Game
- . OWASP Top 10 Client-Side Security Risk OWASP Vulnerability Management Cente
- OWASP Vulnerability Management Guide OWASP VulnerableApp
- OWASP VulnerableApp-Facade
- OWASP Web Application Firewall Evaluation Criteria Project (WAFEC)
- OWASP Web Mapper
- OWASP Web Testing Environment



E.g. #1: OWASP Top 10

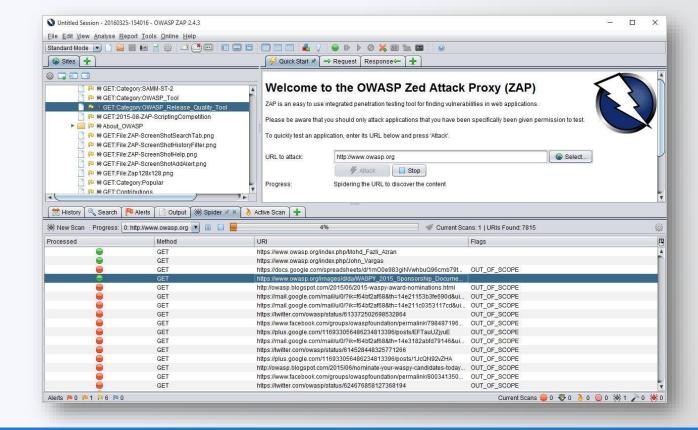
- Flagship Project
- The most critical security risks to web applications.
- Although the original goal was simply to raise awareness amongst developers, it has become the de facto application security standard.
- Updated every 2-3 years from 2003 to 2017.



E.g. #2: OWASP ZAP

- Flagship Project
- Web App DAST tool
- Integrates into CI/CD Pipeline
- GitHub Actions and GitLab Modules exist
- 140+ Contributors
- https://www.zaproxy.org/

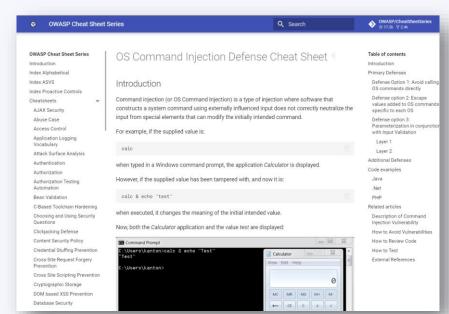






E.g. #3: OWASP Cheat Sheet

- Flagship Project
- Helps Devs with AppSec issues
- Project is led by industry veterans
- 130+ Contributors
- https://cheatsheetseries.owasp.org







Luxembourg Chapter – Our aim

- Building an active AppSec community in Luxembourg and Greater Luxembourg (Grande Région).
- Ambitiously aiming to organize at least 4 meetings annually.
- Carrying on the synergy with OWASP in BeNeLux:
 co-organizing and contributing to https://www.owaspbenelux.eu



A trusted cybersecurity ecosystem for a flourishing economy

- Involving communities outside the infosec industry (e.g. Devs/Ops, architects, technologists, IT generalists, managers, executives, etc.)
- Active actor in the Luxembourgish cyber security ecosystem



Luxembourg Chapter – Since 2009















Luxembourg Chapter - Call for action We need you!

- Get involved now! we need you as
 - OWASP ambassador / enthusiast
 - OWASP member / contributor / board member
 - Our meetings host
- Volunteer to be a Speaker
- Follow us on social media, mailing list, channels (share them with your network

 and not only with cyber / infosec folks ☺)

Upcoming meeting topics

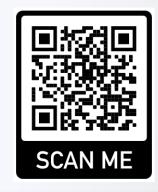
- We will start with **Foundational-level** talks, presentation, hands-on labs:
 - OWASP Top 10 Risks in Applications
 - Security requirements in AppSeC
 - Etc.
- Focus on flagship projects (ASVS, OWASP SAMM, Dependency Track, etc.)
- Focus on technologies (Mobile, Thick Client, IoT, etc.)
- Focus on culture (DevSecOps, Agile, Automation, Cloud native, etc.)
- Gamification Capture de flag challenges



Call for action – We need you!

Visit our **Chapter website**:

https://owasp.org/www-chapter-luxembourg/





Follow our **Linkedin page**:

https://www.linkedin.com/company/71683313

Join us on **LinkedIn Group**:

https://www.linkedin.com/groups/9026319



Follow us on Twitter

@LuxembourgOwasp Hashtag: #OWASPLux

Join an **OWASP Mailing List**:

https://groups.google.com/u/0/a/owasp.org/g/luxembourg-chapter/



Join our **MeetUp group:**

https://www.meetup.com/en-AU/owaspluxembourg-group/

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Watch us on **YouTube**: Coming soon

