GWENDAL LE COGUIC

COURSES

Each training session focuses on practical demonstrations, interactive exercises, and discussions based on real-life situations to ensure the acquisition of key skills.

Each session can be taken:

- on-site or remotely
- in French or English
- individually or in groups

Quotes available upon request

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ADVANCED HACKING & WEB APPLICATION SECURITY



a. Description

*An intensive 2-day training designed for professionals with a solid foundation in web security. It delves into advanced vulnerabilities and equips participants with the skills to **identify**, **exploit**, and **mitigate complex security issues** in web applications.*

b. Educational goals

- Identify and exploit advanced web vulnerabilities
- Understand complex attack vectors like SSRF, XXE, and prototype pollution
- Evaluate risks linked to third-party components and infrastructure
- Apply secure coding practices to mitigate real-world threats

c. Prerequisites

- Basic knowledge of web development (HTML, CSS, JavaScript)
- Familiarity with web protocols (HTTP, HTTPS)
- Experience with using command-line tools
- Familiar with basic web vulnerabilities (XSS, CSRF, SQLi…)

d. Targeted audience

- Web developers
- System administrators
- Dev(Sec)Ops engineers
- Any cybersecurity enthusiasts

e. Program

Day 1

- Carriage Return Line Feed injection (CRLF)
- Second order bugs
- Prototype pollution
- *PostMessage*
- Server-Side Request Forgery (SSRF)

Day 2

- Dependency confusion
- Subdomain takeover
- JSON Web Token security (JWT)
- XML External Entity injection (XXE)
- Emails security