Activity 9 : Web Security Scanner

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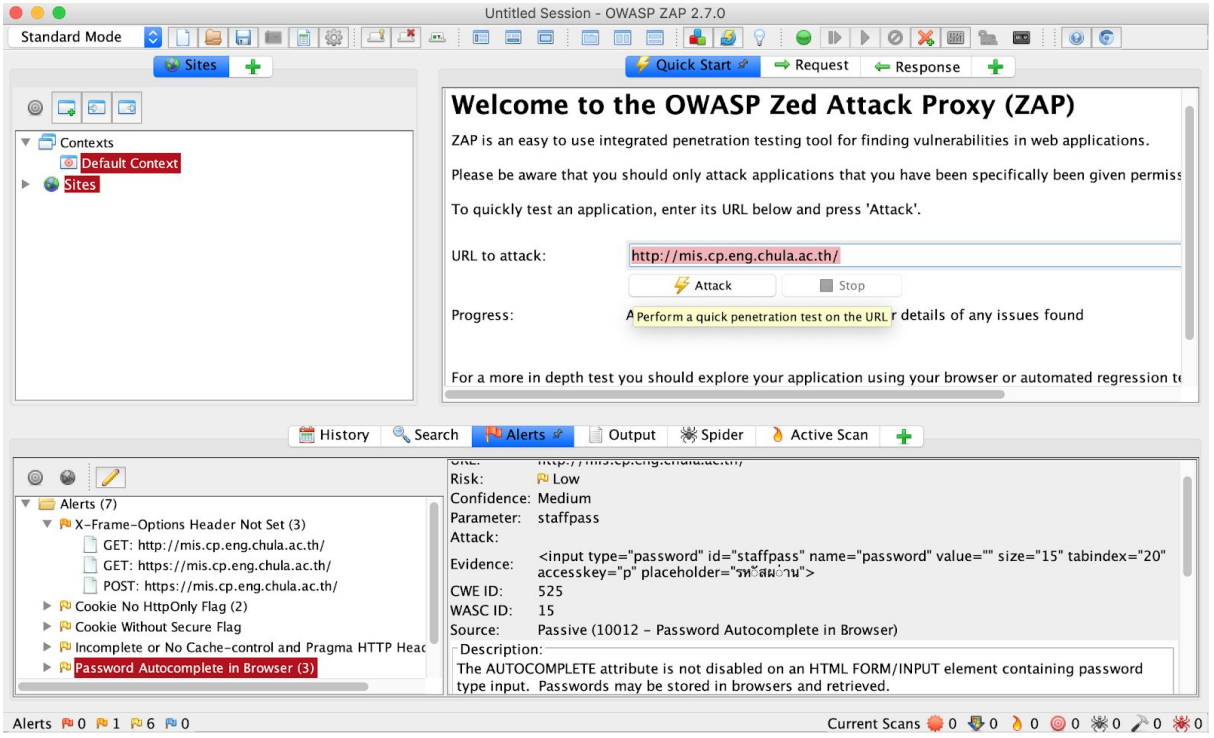
Overview

With the web everywhere, we should learn the fundamentals of secure web application. In this activity, we will use OWASP Zed Attack Proxy[1] to test web applications.

Exercise

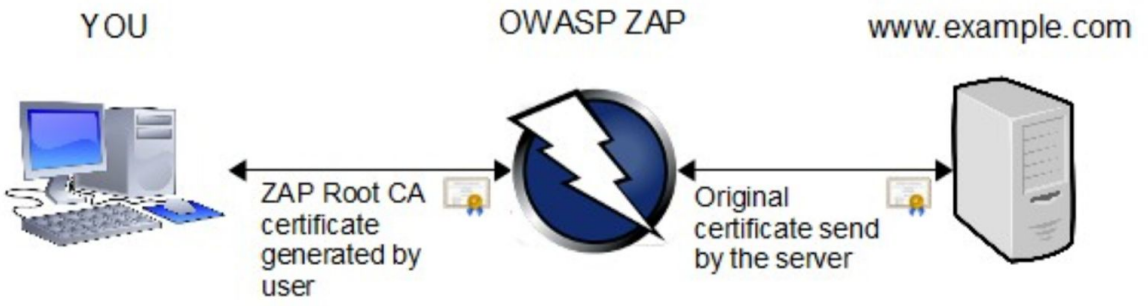
1. We will try to test sites with OWASP ZAP. Run OWASP in ZAP in standard mode. *** Don't try attack mode with real sites. *** Test the following sites:
    a. https://www.chula.ac.th/
    b. https://www.eng.chula.ac.th/
    c. https://www.cp.eng.chula.ac.th/
    d. … (You name it.) Facebook, Google ?

    What do you see?



[1] https://www.zaproxy.org/

2. Use OWASP ZAP in proxy mode. (Install Web Driver Add-ons) Browse a web site (e.g. facebook) What do you see?
   ZAP as proxy. By default, ZAP uses:
   Address: localhost
   Port: 8080
   Do ZAP certificate (if needed)



3. Suppose that you are now a security analysis. Please scan 3 sites in the domain **chula.ac.th**. Identify possible security issues. Write a report (1-page A4) to suggest to the admin how to improve the security.