



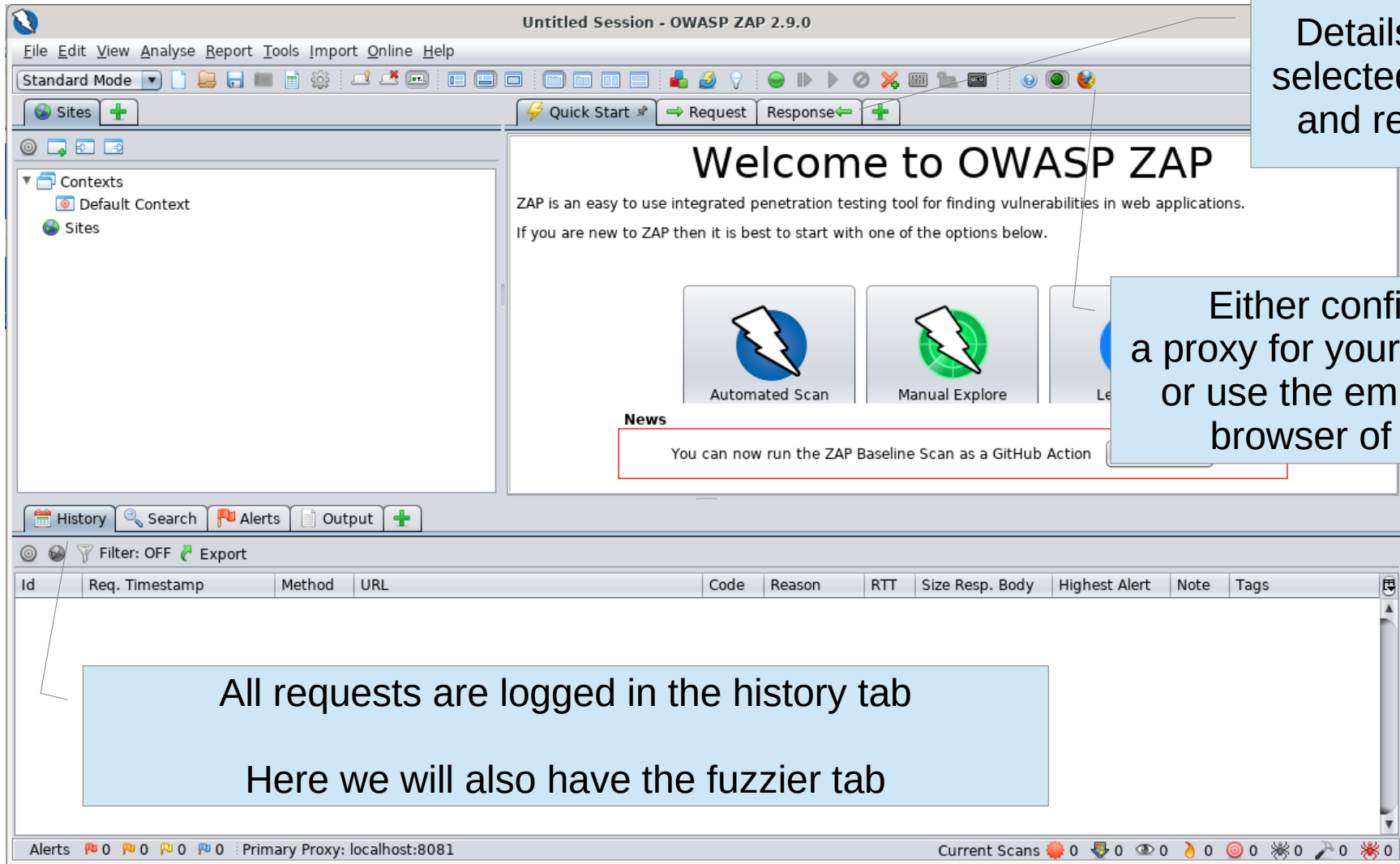
OWASP ZAP

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OWASP Zed Attack Proxy

- Acts as a proxy for web requests
- Logs everything
- Forges custom requests
- Provides a repeater
- Provides a fuzzer
- Many other features

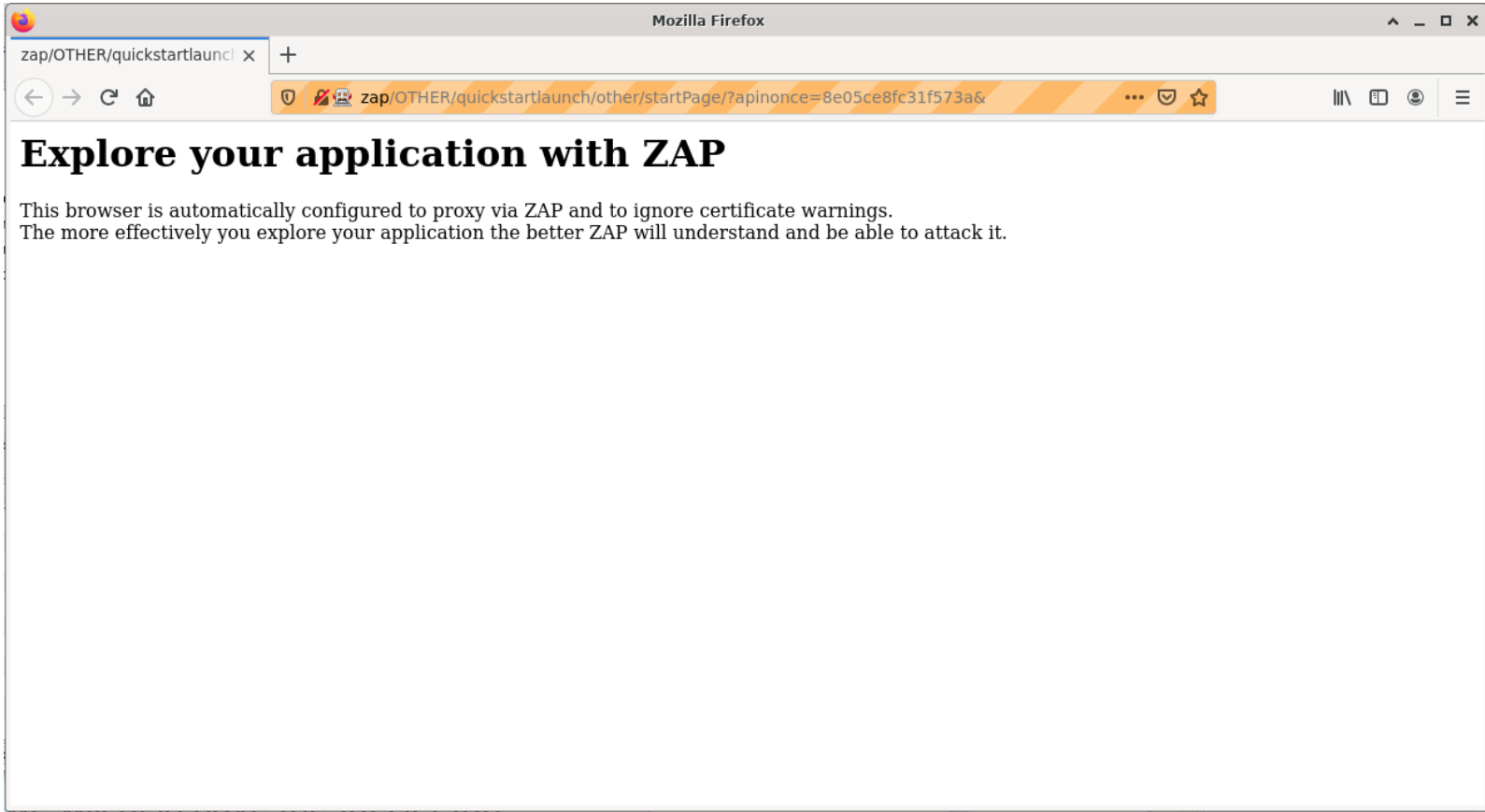
<https://owasp.org/www-project-zap/>



Details on the selected request and response

Either configure a proxy for your browser, or use the embedded browser of ZAP

All requests are logged in the history tab
Here we will also have the fuzzer tab



Zero configuration approach: use the embedded browser of ZAP

Examples

- SQL Injection (SQLi)
- Cross-Site Scripting (XSS)

From the following
deliberately vulnerable website

<https://injection.pythonanywhere.com/>

The image shows two overlapping windows. On the left is the OWASP ZAP interface, displaying a 'Standard Mode' toolbar and a 'Sites' tree with various domains. On the right is a Mozilla Firefox browser window titled 'Cyber Security Game: Play injection attack game, SQL, XSS, injection web vulnerabilities - Mozilla Firefox'. The browser address bar shows 'https://injection.pythonanywhere.com'. The page content includes the heading 'INJECTION GAME' and several paragraphs of text explaining the game's purpose and rules. A table at the bottom of the browser window shows a list of requests with columns for Id, Req. Timestamp, Method, and URL.

Id	Req. Timestamp	Method	URL
108	11/10/20, 10:48:31 AM	GET	https://ajax.g
109	11/10/20, 10:48:30 AM	GET	https://injecti
115	11/10/20, 10:48:31 AM	GET	https://injecti
116	11/10/20, 10:48:31 AM	GET	https://ajax.g
119	11/10/20, 10:48:30 AM	GET	https://injecti
120	11/10/20, 10:48:32 AM	GET	https://cdn.js
127	11/10/20, 10:48:32 AM	GET	https://injecti
132	11/10/20, 10:48:32 AM	GET	https://www.g
137	11/10/20, 10:48:33 AM	GET	https://www.g
139	11/10/20, 10:48:34 AM	POST	https://www.g
141	11/10/20, 10:48:34 AM	POST	https://stats.g

Live demo

- Intercept a request
- Inspect arguments
- Repeat a request
- Run the fuzzer
- Exploit (blind) SQLi to dump confidential content
- Reflected and stored XSS

Questions

