

I am Malformed

Don't forget me this weekend!

OWASP also offers tools, free of charge, to assist in the security testing of XML and web-services. WSDigger, for example, comes with sample plug-ins that can generate several XML attacks for use in testing Web 2.0 APIs or any other XML-based application. WSDigger can help automate tests for:

- SQL injection
- cross site scripting
- XPATH injection attacks

What's great about OWASP is that goes further than just telling you *how* to test web applications and APIs, it also provides guidance and assistance in remediation. That's important because once you find out your application is vulnerable you need to address the vulnerability. Secure coding is the goal, after all, and having concrete examples of what to look for *and how to fix it* aids in the skill set necessary for developers to improve their secure coding techniques. For developers who really want to dig in and learn secure coding best practices, which are unfortunately not taught in most universities today, OWASP is the organization behind the [WebGoat Project](#), "a deliberately insecure J2EE web application maintained by [OWASP](#) designed to teach web application security lessons". And best of all given today's tight budgets, it's completely free.

Some might view OWASP's focus on secure coding as a condemnation of [web application firewalls](#). Not true at all. While the primary goal of OWASP is to encourage secure coding practices through education and information, it also recognizes that a web application firewall may be the primary or secondary line of defense for an organization. To help organizations choose a WAF, OWASP offers [guidance on the selection criteria](#) it believes is most important, and encourages the use of the [Web Application Firewall Evaluation Criteria](#).

IF YOU AREN'T TESTING THAT API, YOU SHOULD

Given the amount of information, tools, and assistance provided for free from OWASP and for nominal fees at other organizations, there's no valid reason to *not* be thoroughly testing Web 2.0 APIs. The use of XML as a primary method of data transport across a growing number of sites simply increases the attack surface across which miscreants can attempt to spread malicious data.

Given the connectedness inherent in social networking and Web 2.0, the sharing of malicious data from one application can potentially affect not just thousands of users, but thousands of users of connected applications, essentially turning a large portion of the Web 2.0 network into a giant, automated bot-net like distribution network for miscreants to use and abuse at will.

So be certain to evaluate the security posture of your web application APIs as thoroughly as you would its user-interface.



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