



## ZAPping your Applications



**OWASP**

The Open Web Application Security Project

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## Me?

- ✓ Born and Raised in Cali
- ✓ Pizza<3
- ✓ CSA Board, OWASP, HTCIA 1<sup>st</sup> VP
- ✓ Motivated with tons of goals to complete
- ✓ Some people say I'm paranoid, I just say I enjoy my privacy :)
- ✓ I ~~ride~~ rode a motorcycle(Fri 13th)





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## What is ZAP?

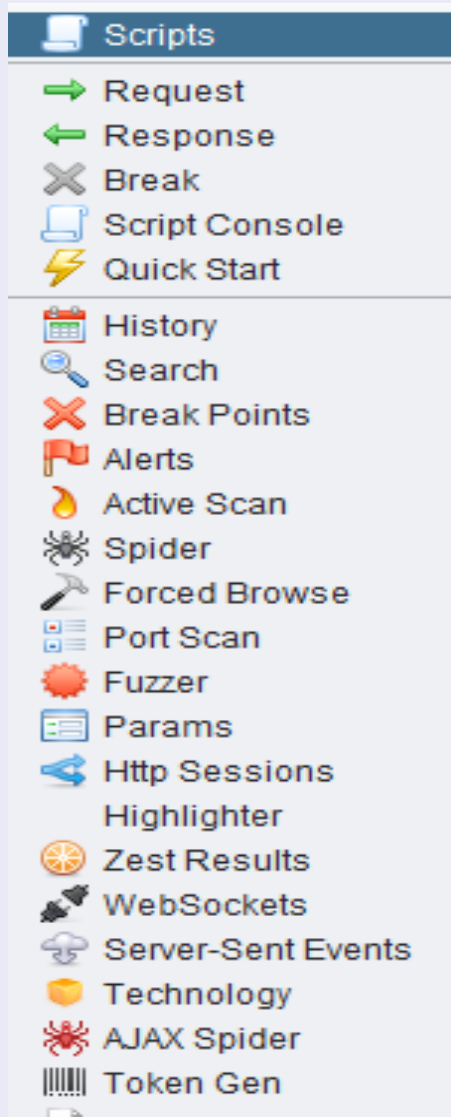


- ✓ Web App Testing Tool
- ✓ Forked off of older OWASP tools such as Dirbuster and Paros Proxy
- ✓ Can test apps actively or passively
- ✓ Active community
- ✓ Known for its ease of use
- ✓ Open source and Free
- ✓ Cross Platform
- ✓ Lots of features



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## Everyone loves Features

- ✓ Plug-n-hack
- ✓ Quick Start
- ✓ Custom Fuzzing
- ✓ Active scanning
- ✓ Custom bruteforcing
- ✓ Passively scan
- ✓ Specify Modes
- ✓ Spidering
- ✓ Login/Logout Params
- ✓ Ajax Spidering
- ✓ Daemon Mode
- ✓ Break Points
- ✓ API Available
- ✓ Scripting

Stay Tuned...more to come!



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## Demo Time





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## Regression Testing

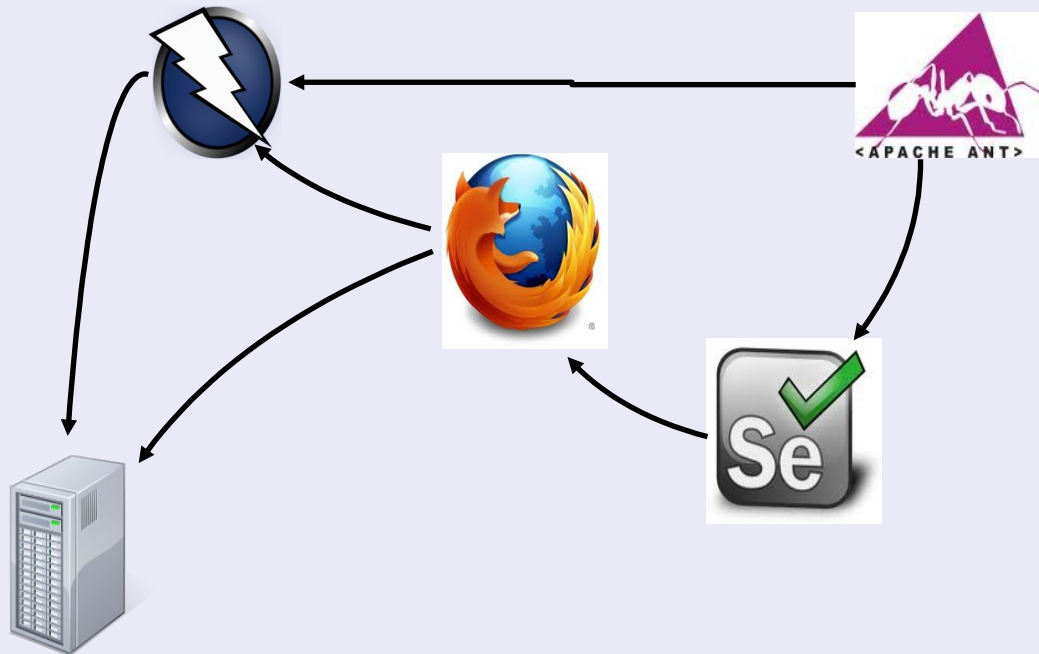
- ✓ Using Zest
- ✓ Plug-n-Hack record option
- ✓ Using Selenium w/Ant Build Server
- ✓ Helps the Security Guy show Devs what exactly was done to find the vulnerability



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## Security Regression Testing



<http://code.google.com/p/zaproxy/wiki/SecRegTests>



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# Zest Scripts

- ✓ Built in, same script types
- ✓ Graphical way to write scripts
- ✓ Right click everywhere!
- ✓ Effectively ZAP's macro language
- ✓ Implement JSR 223
- ✓ <https://developer.mozilla.org/en-US/docs/zest>





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# Automation

- ✓ Using Zest, Python, Ruby, JavaScript in Scripts tab (script generation add-on)
- ✓ Templates Available
- ✓ Using daemon mode
- ✓ Threadfix (Denim Group) tasker to automate scans
- ✓ Great for QA teams





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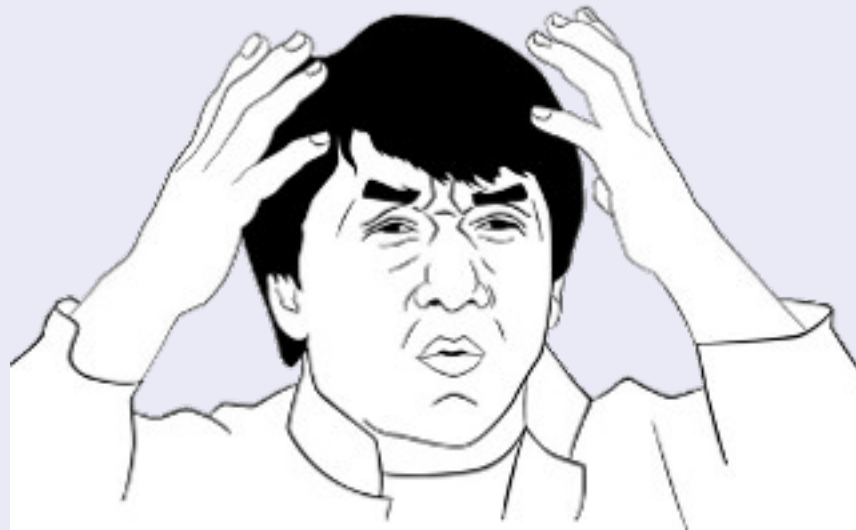
# Active Community

- ✓ <https://groups.google.com/forum/#!forum/zaproxy-users>
- ✓ <https://groups.google.com/forum/#!forum/zaproxy-develop>
- ✓ <http://code.google.com/p/zaproxy/wiki/ZapEvangelists>
- ✓ <http://sourceforge.net/projects/zaproxy/files/weekly/>



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**Why wouldn't you want to use  
ZAP??**



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## Questions?



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[http://www.owasp.org/index.php/OWASP\\_Zed\\_Attack\\_Proxy\\_Project](http://www.owasp.org/index.php/OWASP_Zed_Attack_Proxy_Project)