ZAP DAST Tool

AUBURN UNIVERSITY

CPSC 4970 Applied Cyber Security

ZAP Overview

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- An easy to use Web Application DAST testing tool.
- Completely free and open source
- Supported by OWASP organization
- Ideal for beginners, but also used by professionals
- Developers can use desktop version for local testing
- Update with new capabilities for advanced testing and new vulnerabilities
- Cross platform
- Internationalized - 20+ languages
- Fully documented
- Work well with other tools and automation frameworks
- Embeds other well regarded security tools
  - JBroFuzz, fuzzdb, DirBuster, CrawlJax

Main Features

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- Intercepting Proxy
  - Embedded server that intercepts the connection between an browser and server without modifying requests and responses.
- Active and Passive Scanners
- Spider - automatically discover new resources (URLs) on a particular Site
- Ajax Spiders - Allows you to spider sites that make heavy use of JavaScript false
- WebSockets support - intercepts and shows websocket messages
- Forced Browsing - try to discover files and directories on a web server
- Fuzzing (using fuzzdb & OWASP JBroFuzz)
- Online Add-ons Marketplace

Main Features

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- Auto tagging - tag requests based on regular expressions
- Port scanner - discovers open ports on web site servers
- Session management - handles several methods of sessions ids
- Invoke external apps to integrate with other tools.
- API + Headless mode to integrate into automation tools
- Dynamic SSL Certificates to encrypt/decrypt requests and responses (man in the middle)
- Anti CSRF token handling support

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