

Web technology detection (WAD)

author: [Sebastian Lopienski](#) (CERN Computer Security Team)

[WAD](#) is an open-source tool developed at CERN
for detecting applications and technologies behind a website

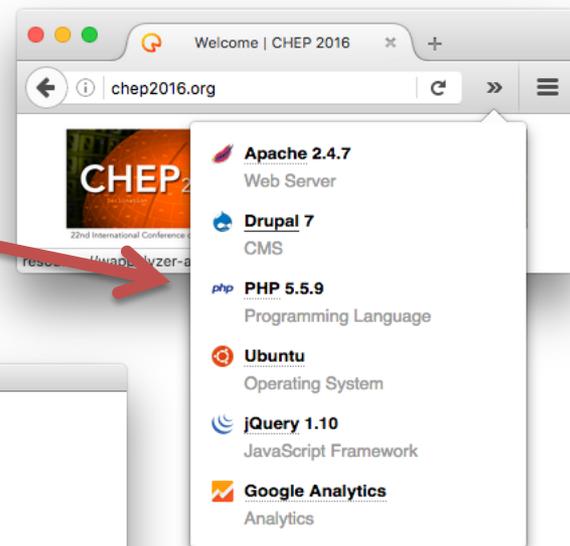
- OS, webserver, CMS, programming language, web framework, JS libraries etc.

Motivation: **web asset inventory + vulnerability management**

Using detection rules from a public
browser plugin [Wappalyzer](#)

- ~900 technologies, thousands of rules

WAD is available on [GitHub](#), and via [PyPI](#)



```
WAD --bash-- 140x18
$ pip install wad

$ wad -u http://chep2016.org
{ "http://chep2016.org": [
  { "type": "operating-systems", "app": "Ubuntu", "ver": null },
  { "type": "web-servers", "app": "Apache", "ver": "2.4.7" },
  { "type": "programming-languages", "app": "PHP", "ver": "5.5.9" },
  { "type": "cms", "app": "Drupal", "ver": "7" },
  { "type": "javascript-frameworks", "app": "jQuery", "ver": "1.10" }
] }
```