Wappalyzer detects web technologies by looking at:

- **HTTP Response headers**
  - "Ubuntu": `{ "headers": { "X-Powered-By": "Ubuntu" }, ...
  - "PHP": `{ "headers": { "Set-Cookie": "PHPSESSID" }, ...
  - "Apache": `{ "headers": { "Server": "Apache$$/(\[\d.]+)|[^/\-]\;version:\1" }, ...

- **HTML meta tags**
  - "Drupal": `{ "meta": { "Generator": "Drupal$$/(\[\d.]+)?\;version:\1" }, ...

- **Full HTML page content**
  - "JIRA": `{ "html": "Powered by Atlassian JIRA$$v (\d+\.\d+)\;version:\1" }, ...

- **Global JavaScript variables**
  - "jQuery": `{ "env": "^jQuery$" }, ...

- **src attribute of HTML script tags**
  - "AngularJS": `{ "script": "angular$$-\([\d.]*\d)\[^/\]*\.js\;version:\1" }, ...

5 ways for detecting web technologies

- ~900 different technologies detected
- Thousands of detection rules
- Regular expressions help detecting software version

Aargh, WordPress is vulnerable again!

But how do I know which CERN websites use WordPress?

Can I remotely detect technologies behind a website?

OK! Let’s tell WordPress admins at CERN to patch now!

Want a browser plugin? Wappalyzer, can do it!

Regular expression helps detecting software version

Let’s see how Wappalyzer works

A regular day at CERN…

Another usual day at CERN…

Hurray!

Now I can scan all CERN websites and webservers!

Let’s add rules for CERN software

Web Application Detection (WAD) for asset inventory and vulnerability management

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S4ck Man illustrations by Cath Noble (CERN).

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