

# **WEIRDS interop report**

IETF 89, London  
WEIRDS  
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# Attendance

- 8 servers
  - 4 number servers (only 1 RIR missing !)
  - 3 name servers
  - 1 number+name server
- 1 test suite (acting as a client) targeting servers
- 2 newcomers

# What's new

- JSON response body tests
- **SUPER NICE** report in HTML
  - What you expect: OK/FAIL results in green/red, diagnostic messages, full contents, etc.
  - JavaScript interactivity to so you can dig down easily
  - Everything in one file, no dependencies, so we can email it to you easily.
    - ...and you can forward it to your development team. >:-)
- Added entity tests
- Added nameserver tests
- Added nameserver search tests
- General improvement of the previous tests and core logic

# Results

- Discovered roughly 50 “issues” in implementations
- Discovered 3 issues in the testing suite
  - Wrong expected return code somewhere
  - Slightly too much recursion in some json testing
  - Python ipaddr rejects addresses with prepended “0”
- There is a bug in a Web framework used by several servers
  - A request ending with a NUL char (0x00) will be responded with a payload without any HTTP header.
  - WARNING: There are known security issues related to this in the framework

# Questions raised

- How to simply query the **existence** of a domain?
  - a) HEAD request, check response code
  - b) A new query attribute
  - c) Something else?
- How to simply query the **registrability** of a domain?
  - a) Nothing special. Do an RDAP query.
  - b) New query attribute
  - c) Something else?

# Next steps

- We have received feature requests.
- Specs will change between now and Toronto.
- Do it again at IETF 90 in Toronto?
- Talk to us to join the next interop if you want to participate !