

DNS Benchmarking Efforts

*Your DNS Vendors,
Working Together for You*

Presented by Shane Kerr <shane@isc.org>
@ RIPE 65 in Amsterdam

The Start of the Story

- CZ.NIC produced some benchmarks of their new DNS server, Knot
- Ondrej Filip asked how he could trust these benchmarks, done by the Knot developers

GOOD QUESTION!

The Start

- Informal chat at RIPE 64
 - DNS developers (BIND, NSD/Unbound, Knot)
 - ccTLDs/root (NL, DE, CZ, I root, L root)
- Generally agreed desirable:
 - Performance benchmarking
 - Protocol conformance checking

Workshop

- NLnetLabs hosted a gathering
 - DNS developers and friendly folks
 - 2 days in Amsterdam, July 2012
- Open source developers/managers present
 - Knot, Yadifa, NSD/Unbound, BIND
- Review of current approaches
- Agreed on next steps

Workshop Output

- Shared git repository for tests
- 2 initial scenarios defined for benchmarking
 - Delegation-only (root, TLD)
 - DNS hosting
- Compliance tests would be nice
 - Each product has its own

Next Steps

- Everyone contributing to git repository
- Gathering later today to agree on next steps :)
- Would be nice to have involvement from more vendors
 - PowerDNS
 - Commercial vendors