DNS-OARC

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DNS-OARC's Mandate

- Operations
- Analysis
- Research

Operations (Data Collection)

- 6+ years of continuous DSC summary statistics gathering from root and major TLD servers
- 5+ years of annual 48-hour snapshots of all traffic to key servers (DITL)
- Accumulated >50Tb dataset over 6+ years

Operations

- Do-Not-Probe-List
 - IP address ranges not to be probed by researchers
- Open Recursive Resolvers list
- TLD zonefile repository
- 10+ years of root zone archive

Operations (Tools)

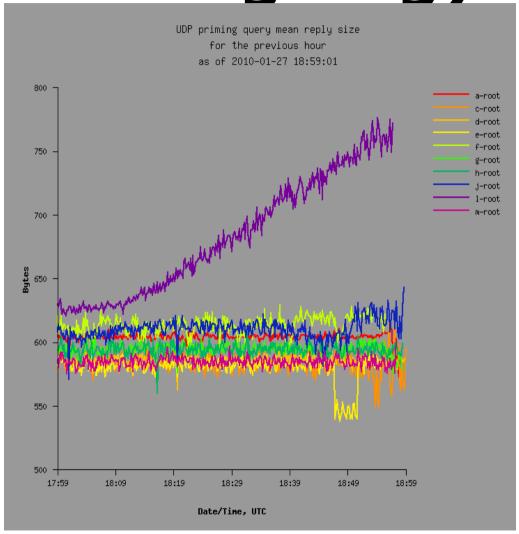
- UDP source port randomization test (Kaminsky)
- DNS reply size tester (DNSSEC)
- DNSSEC Lookaside-Validation (DLV) test zones
- DNS data traffic capturing and decoding tools
- Quality and conformance testing tools
- DNS server fingerprinting tool

Operations (Communication)

- dns-operations mailing list (open) 1300+ subscribers
- dns-operations jabber room (open to members) –
 182 active accounts
- secure-ops mailing list and jabber room (trusted, vetted) – realtime, operational matters

Research and Analysis (DNSSEC – Root Signing)

 https://www.dnsoarc.net/oarc/durzreport



Research and Analysis (DITL)

- 1.7TB of compressed pcap data collected in 2010 DITL (May 25th, 2010)
- 2011 DITL currently scheduled for April 12-14th

2011 and beyond

- Data Collection
 - DITL 2011
 - IPv6 Day data collection and analysis
- Analysis
 - Real-time
- Tools
 - DSC changes identified, development beginning

Contact Us

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