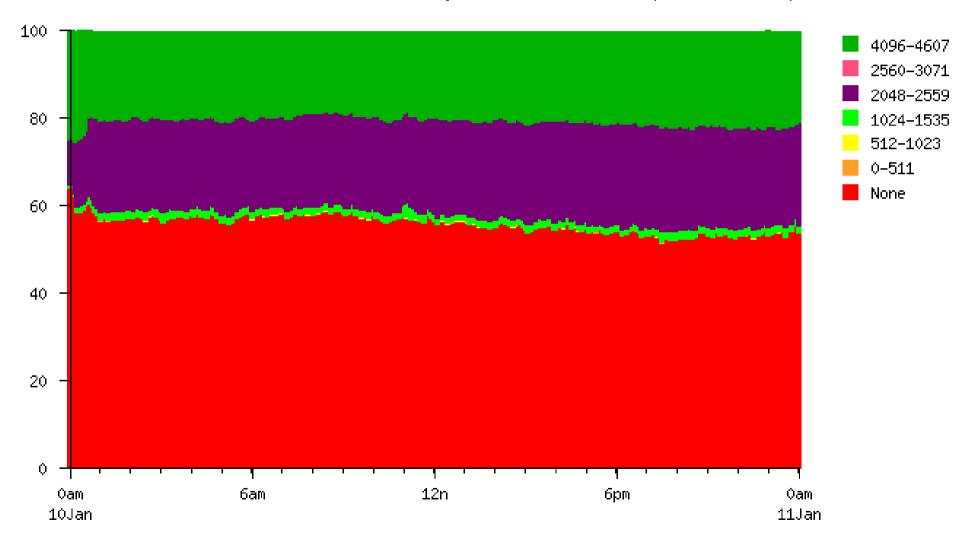
## DNSSEC, EDNS, and TCP

NANOG 46 Lightning Talk

Duane Wessels and Sebastian Castro



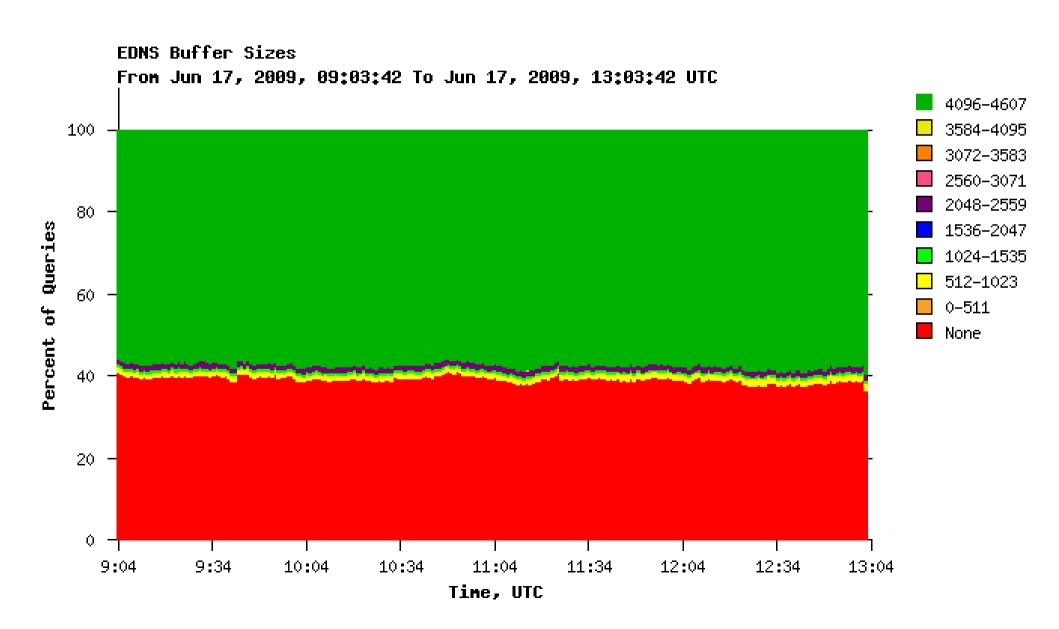
EDNS Buffer Size seen in Queries at f-root (DITL-200601)

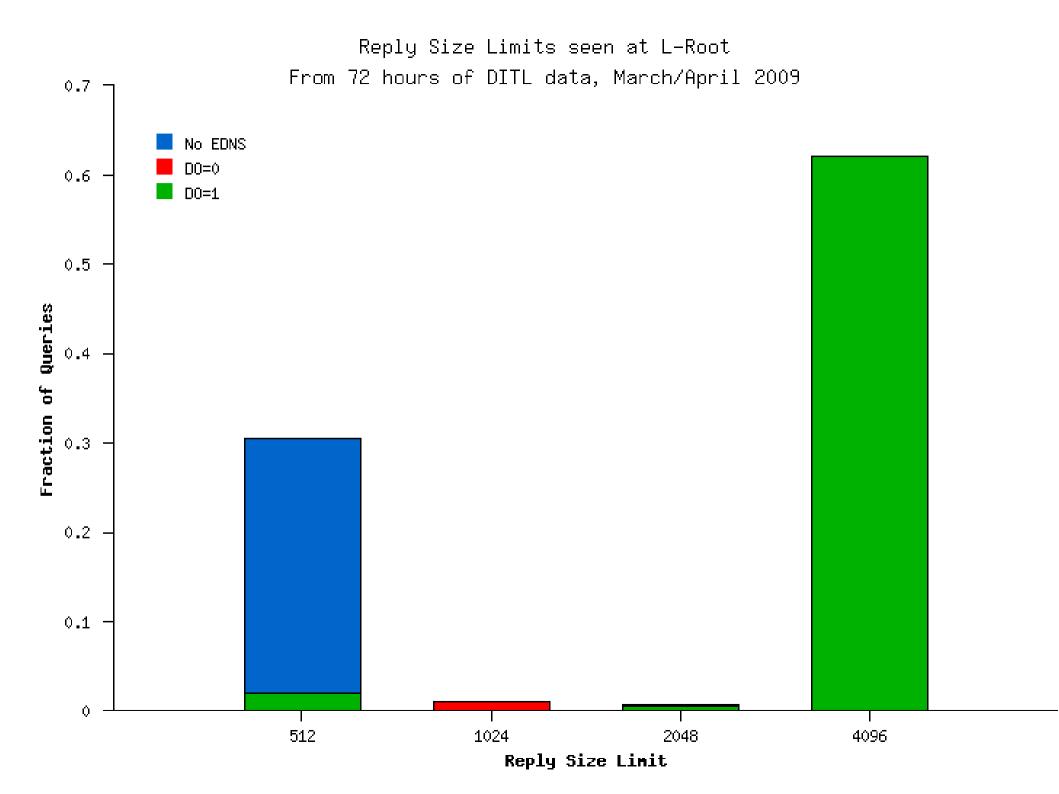


Percent of Queries

Time, UTC

## c.root-servers.net (today)





Date: Tue, 2 Jun 2009 16:21:28 -0400

From: Dave Knight <dknight@ca.afilias.info>

To: dns-operations@dns-oarc.net

Subject: [dns-operations] .ORG is signed

Colleagues,

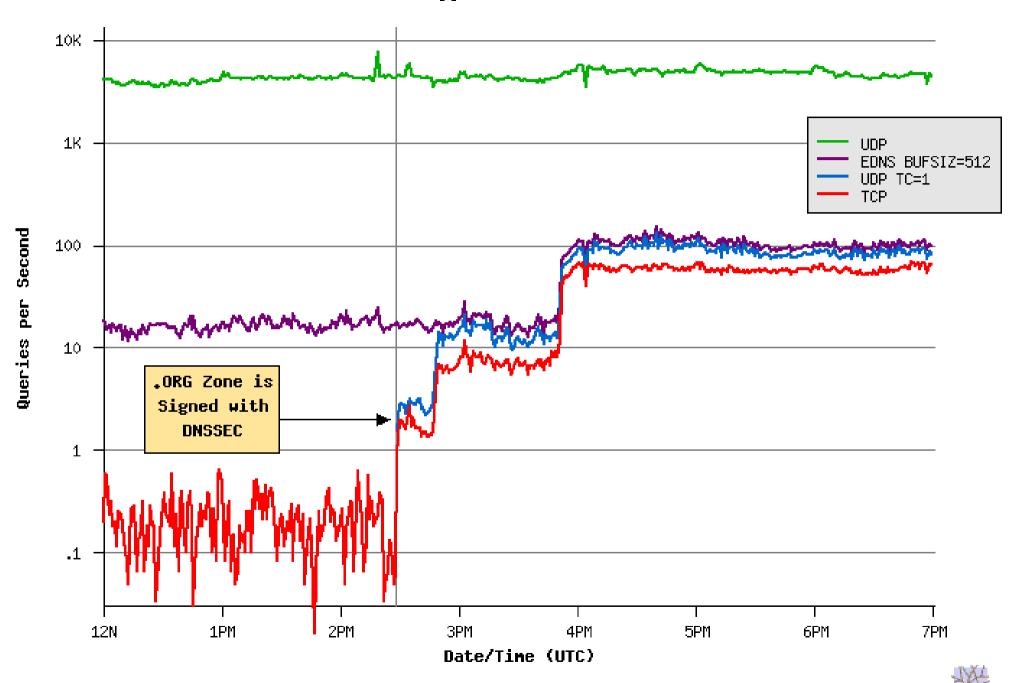
On behalf of PIR Technical Support I would like to announce that as of today, 2009-06-02, at 16:00 UTC .ORG is DNSSEC signed.

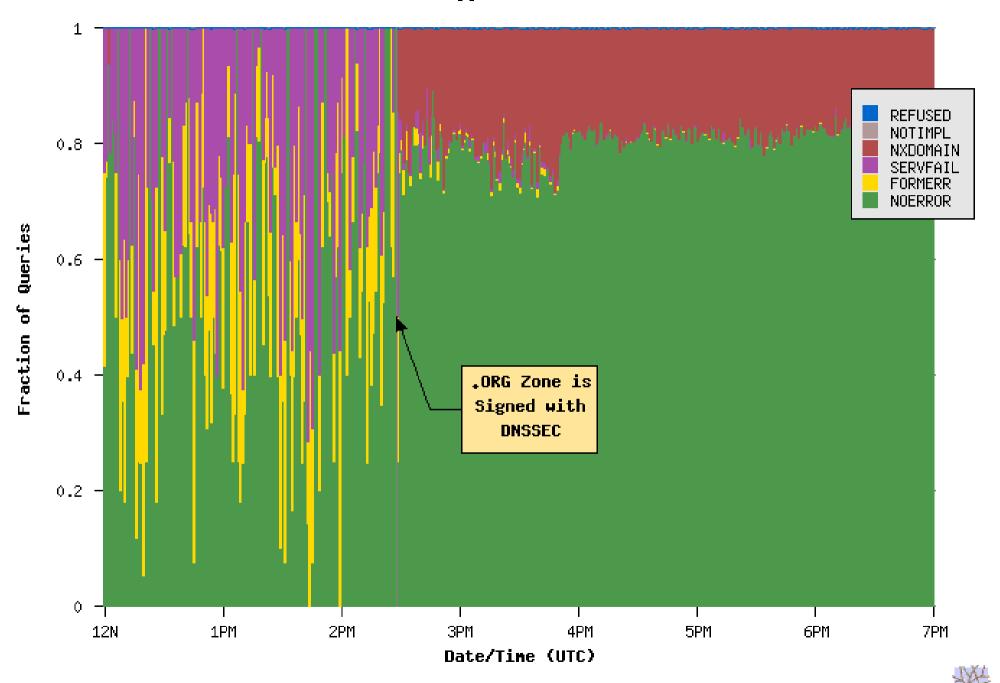


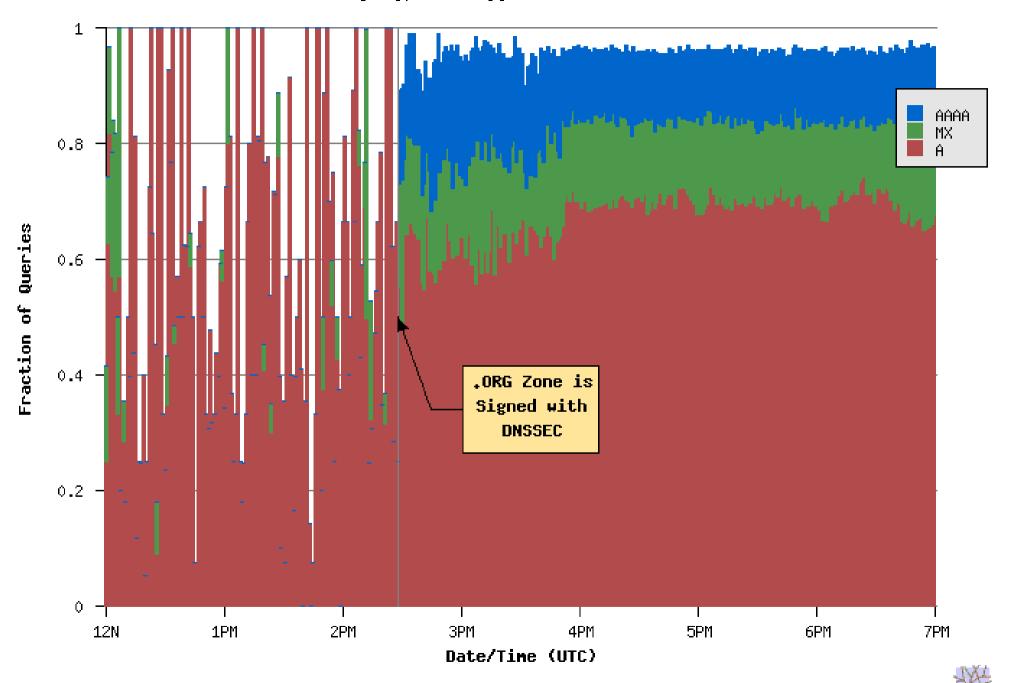


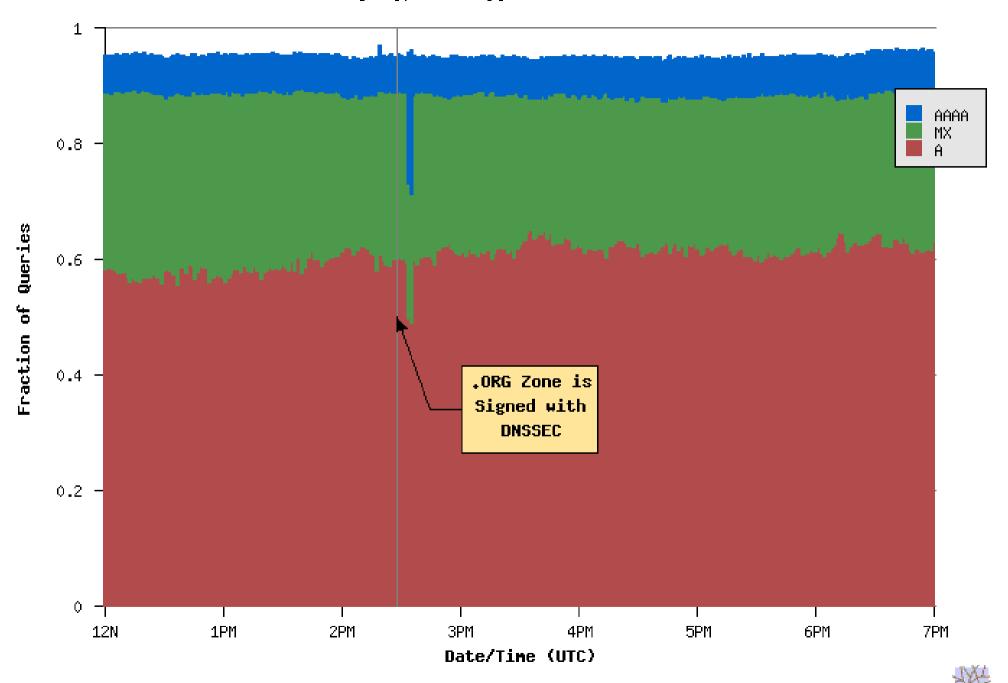
was kind enough to share some packet traces with DNS-OARC from this day.



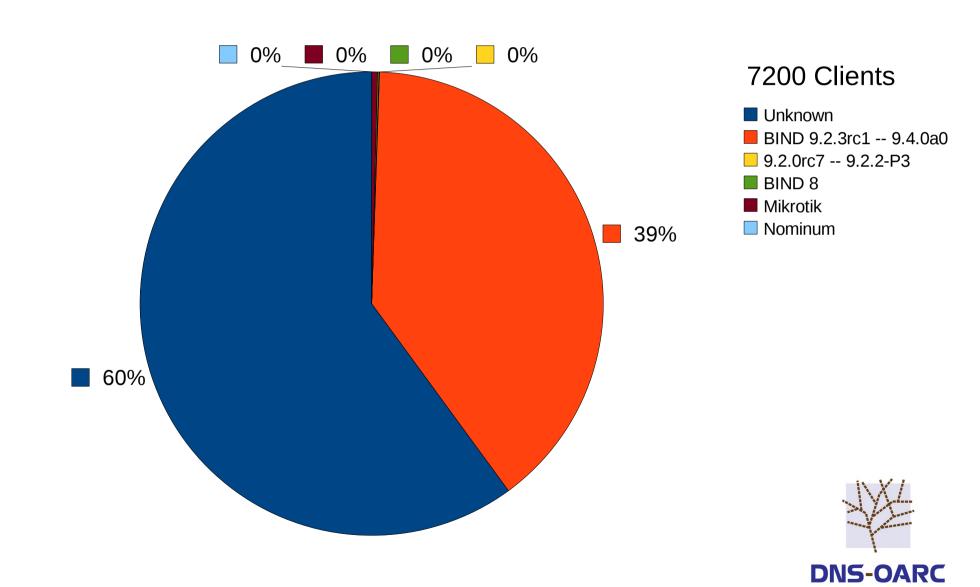








## fpdns Analysis



## RFC 4035:

A security-aware name server MUST support the EDNSO ([RFC2671]) message size extension, MUST support a message size of at least 1220 octets, and SHOULD support a message size of 4000 octets.

BIND 9.5.0a1 CHANGES:

1954. [func]

Named now falls back to advertising EDNS with a **512** byte receive buffer if the initial EDNS queries fail. [RT #14852]