

DNSSEC Implementation Experience in .ORG – EDNS and TCP fail-over

SANOG Lighting Talk

Ram Mohan

Chennai, July 22 2009

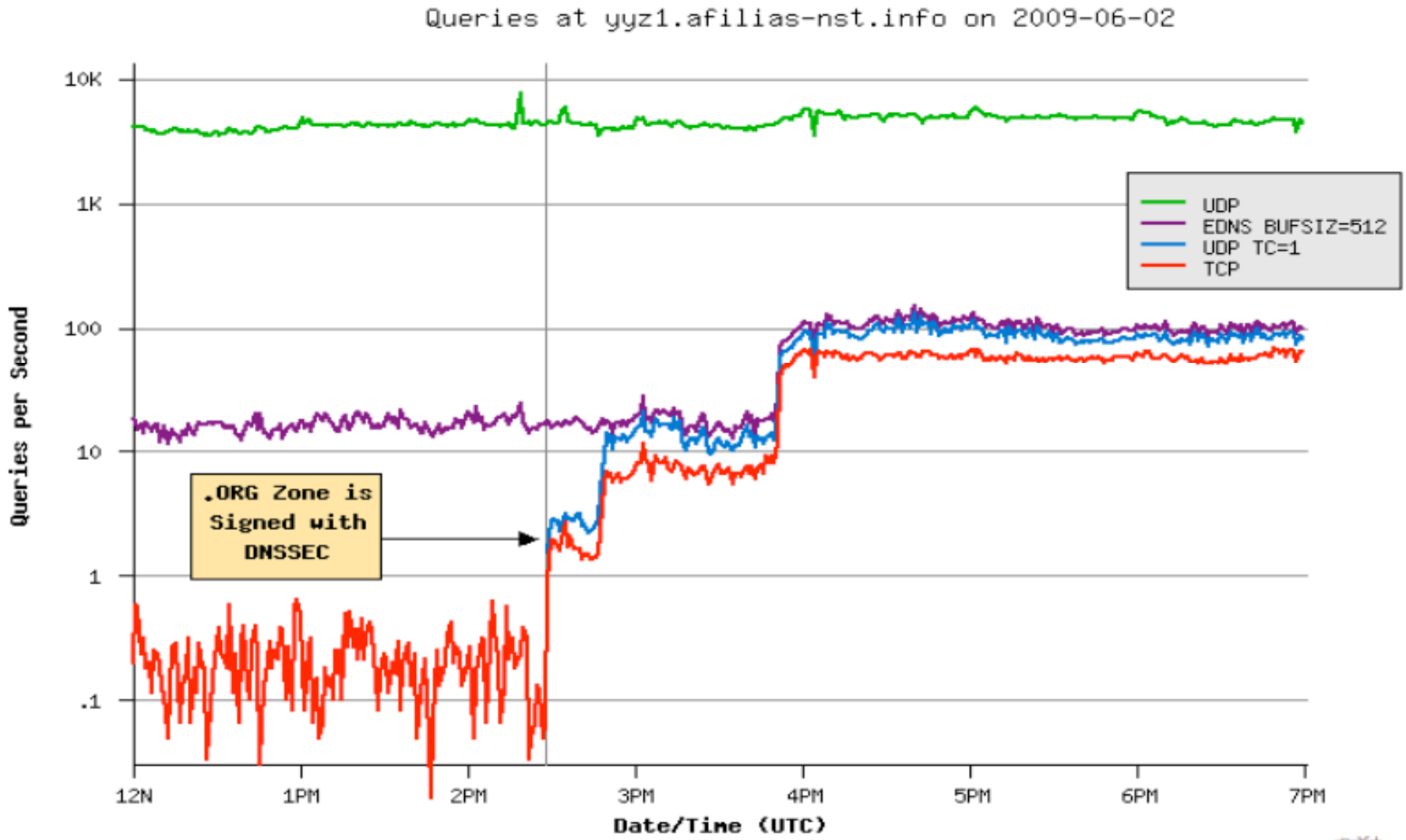
rmohan@afilias.info

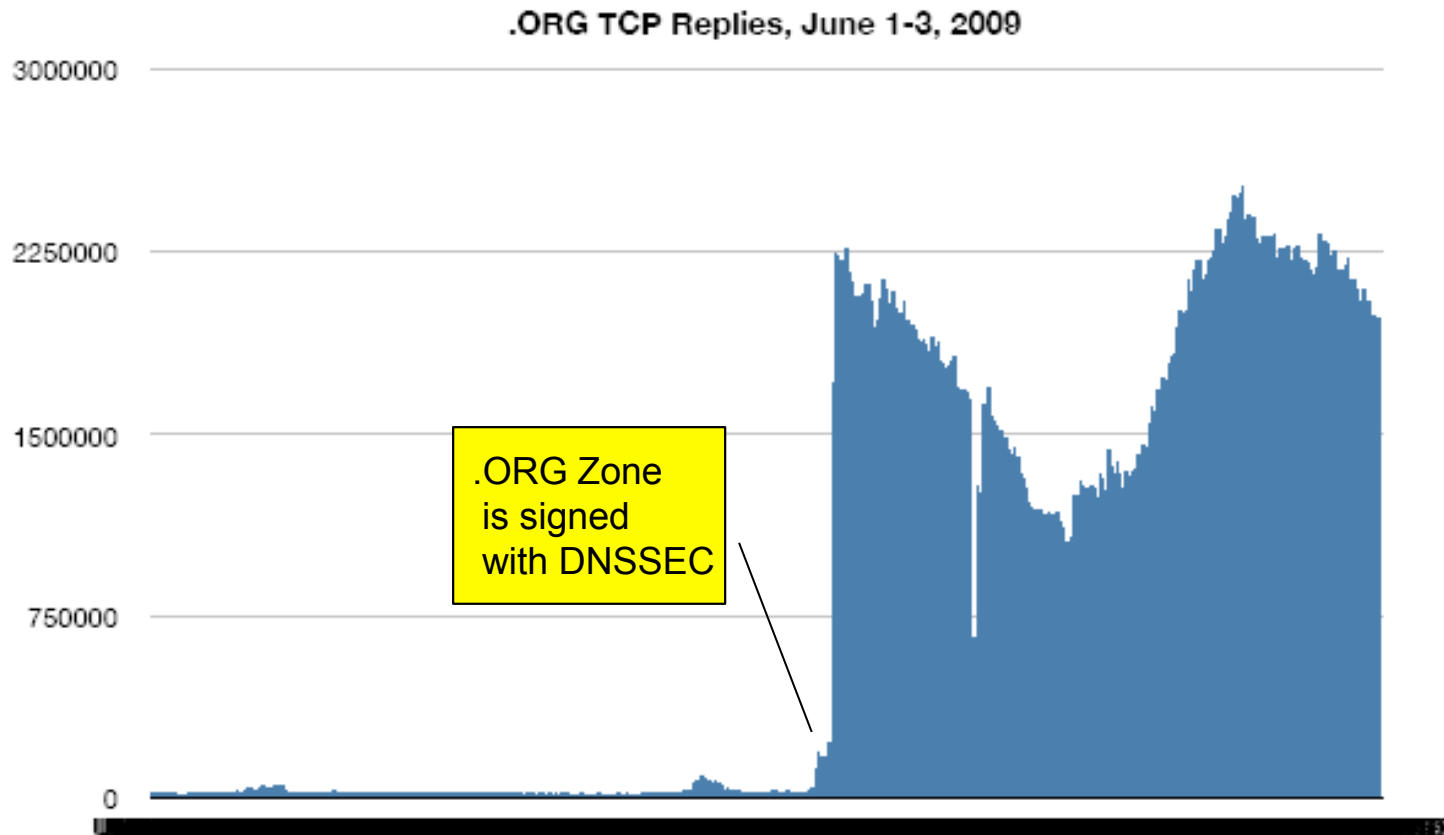
June 2, 2009

.ORG Signed on June 2, 2009

- Largest zone in the world
- First major TLD to use NSEC3
- Key Signer Initialization Ceremony to split KSK password – June 1, 2009
- Key pushed to iTAR – June 26, ISC/DLV – July 6
- ZSK rollover – July 2
- No serious bugs found to date...except...

.ORG DNS Systems experienced sudden, heavy load post-signing





TCP Traffic increased 600x. Has remained steady at that level since signing.
Causes are being investigated.
Root server operators, USG, ccTLDs taking note.