

RIPE NCC DNS Update

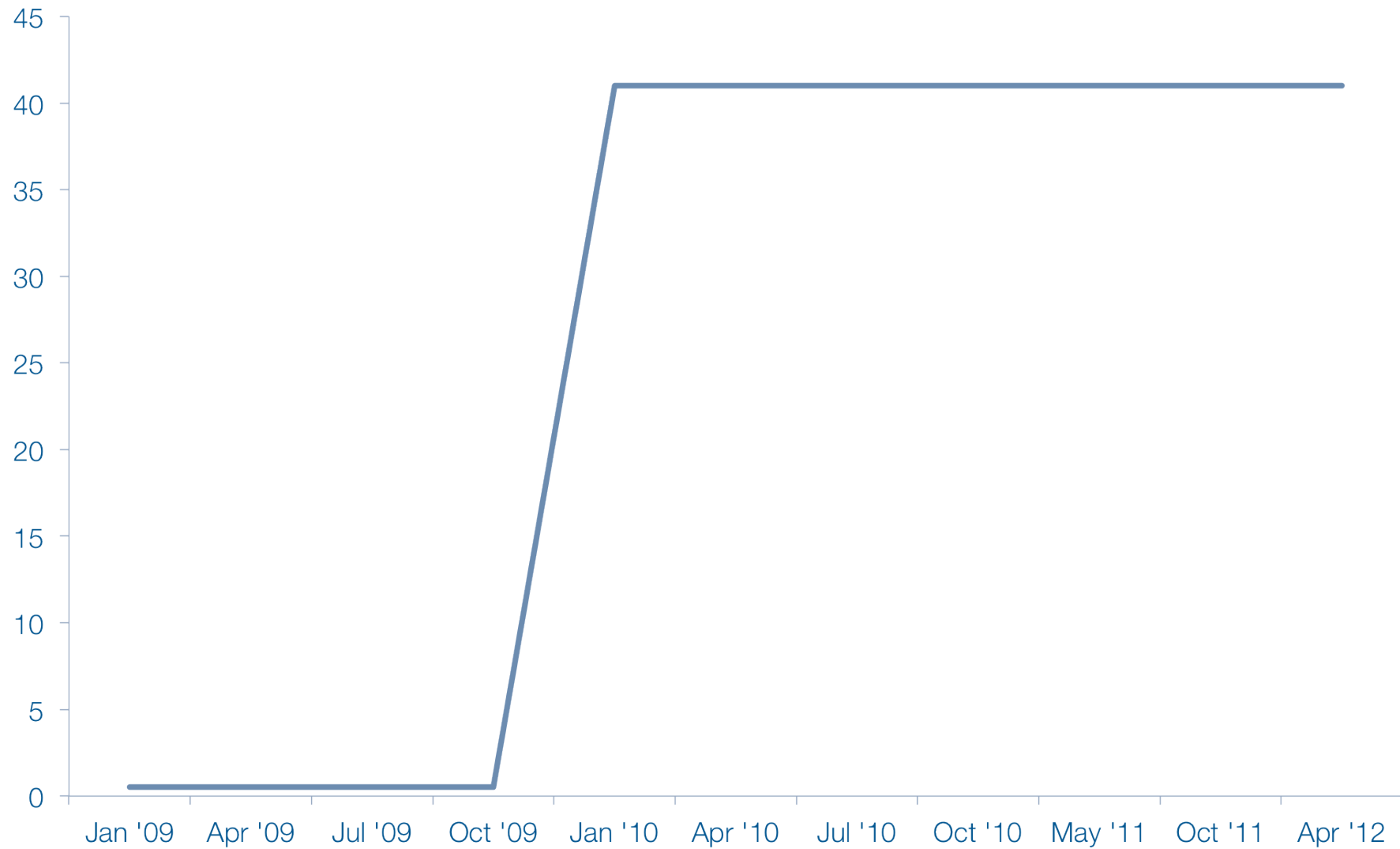
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RIPE NCC



K-root

- Operations stable with 18 instances
- IPv6 in Novosibirsk (since ~Feb 2012)
- OS and software upgrades this year
- Some new instances later this year

K-root TCP query rate



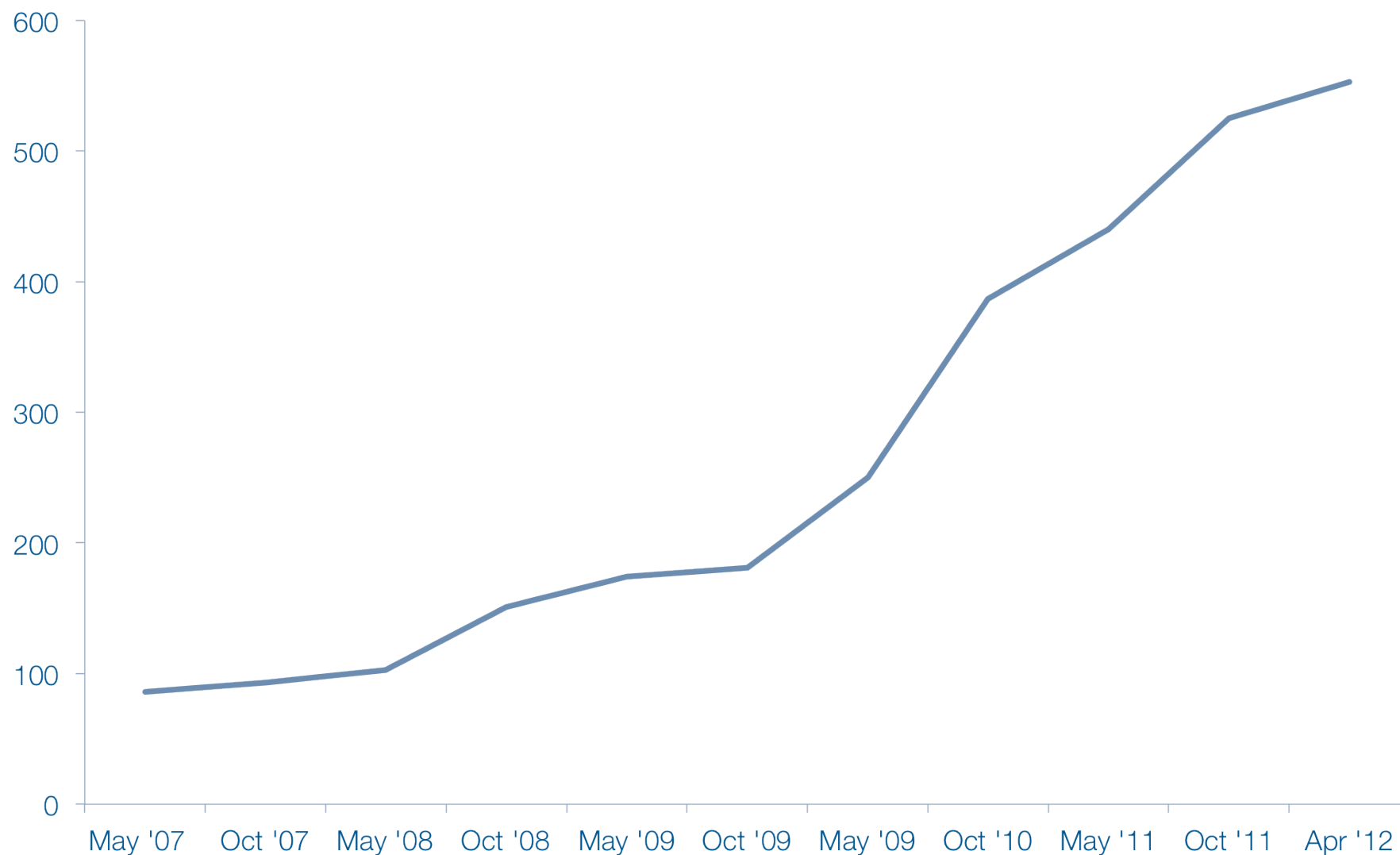
K-root IPv6 query rate



DNSSEC

- 117 signed zones
 - Including reverse zones, ENUM, ...
- Only 1 relevant island of trust left
 - 244.216.196.in-addr.arpa
- Last successful KSK roll-over in November 2011
 - Next one: November 2012
- DPS updated to do annual KSK roll-overs instead of every 6 months

DNSSEC growth in reverse zones



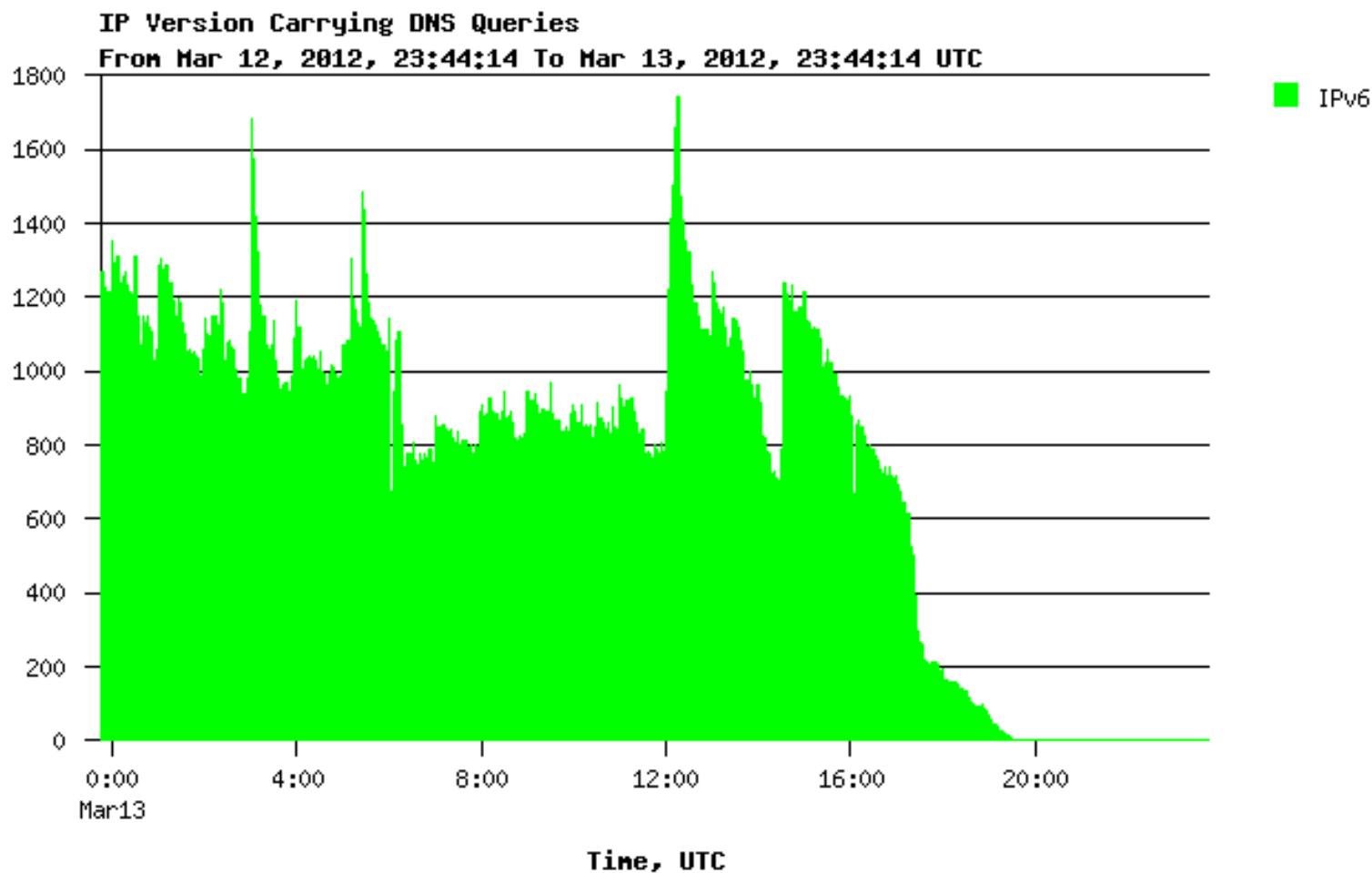
ccTLD secondary DNS

- 77 ccTLDs
- Service on new DNS anycast cluster since October 2011
 - IPv6 glue for every ccTLD in the root zone
 - DNSSEC support including NSEC3

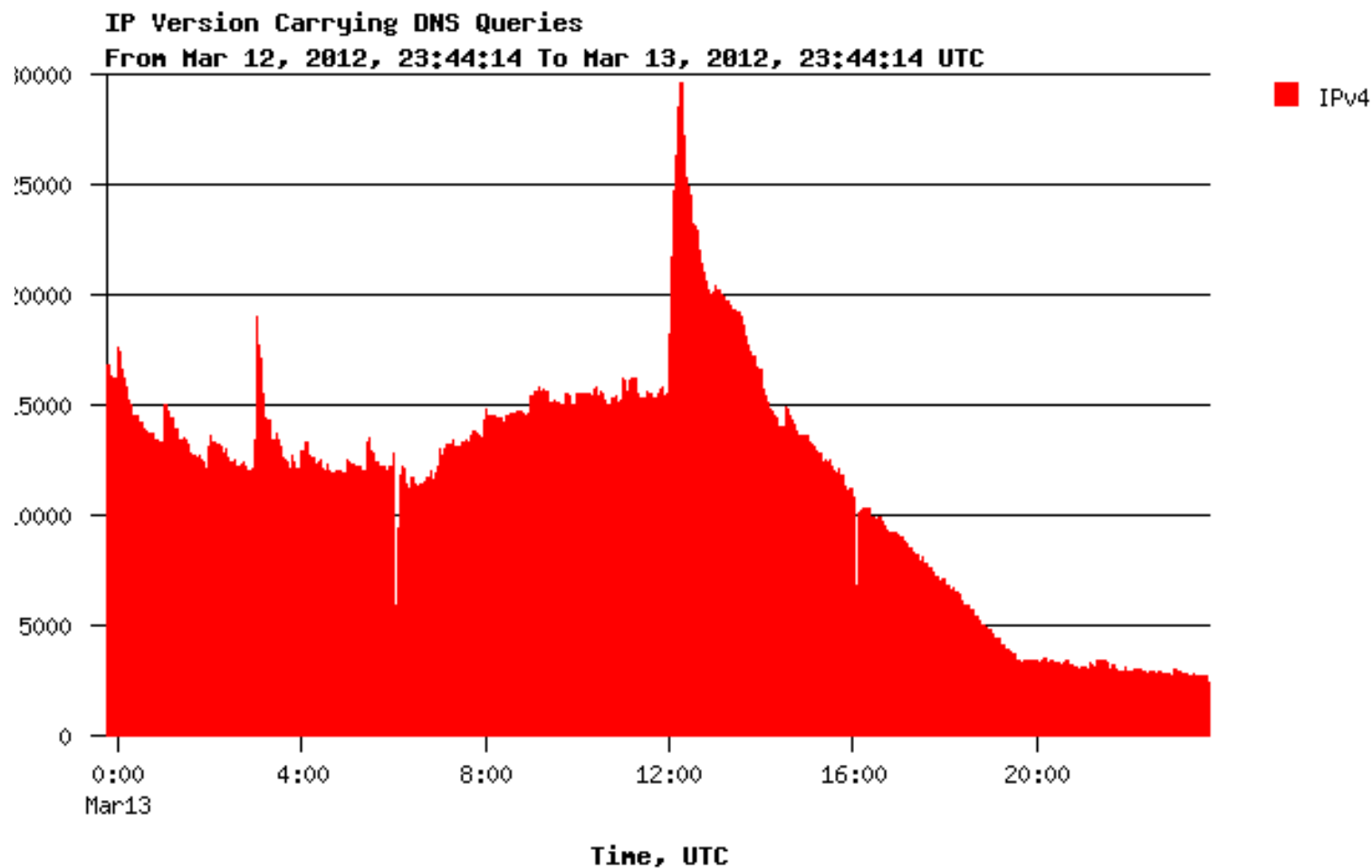
ns.ripe.net

- Secondary name server for large reverse zones
- Migrated to new DNS cluster on 13 March 2011
- Queries over IPv6 subsided after 6 hours
- Queries over IPv4 continue
 - Caused by glue for CM in the root zone
 - Update expected any day now

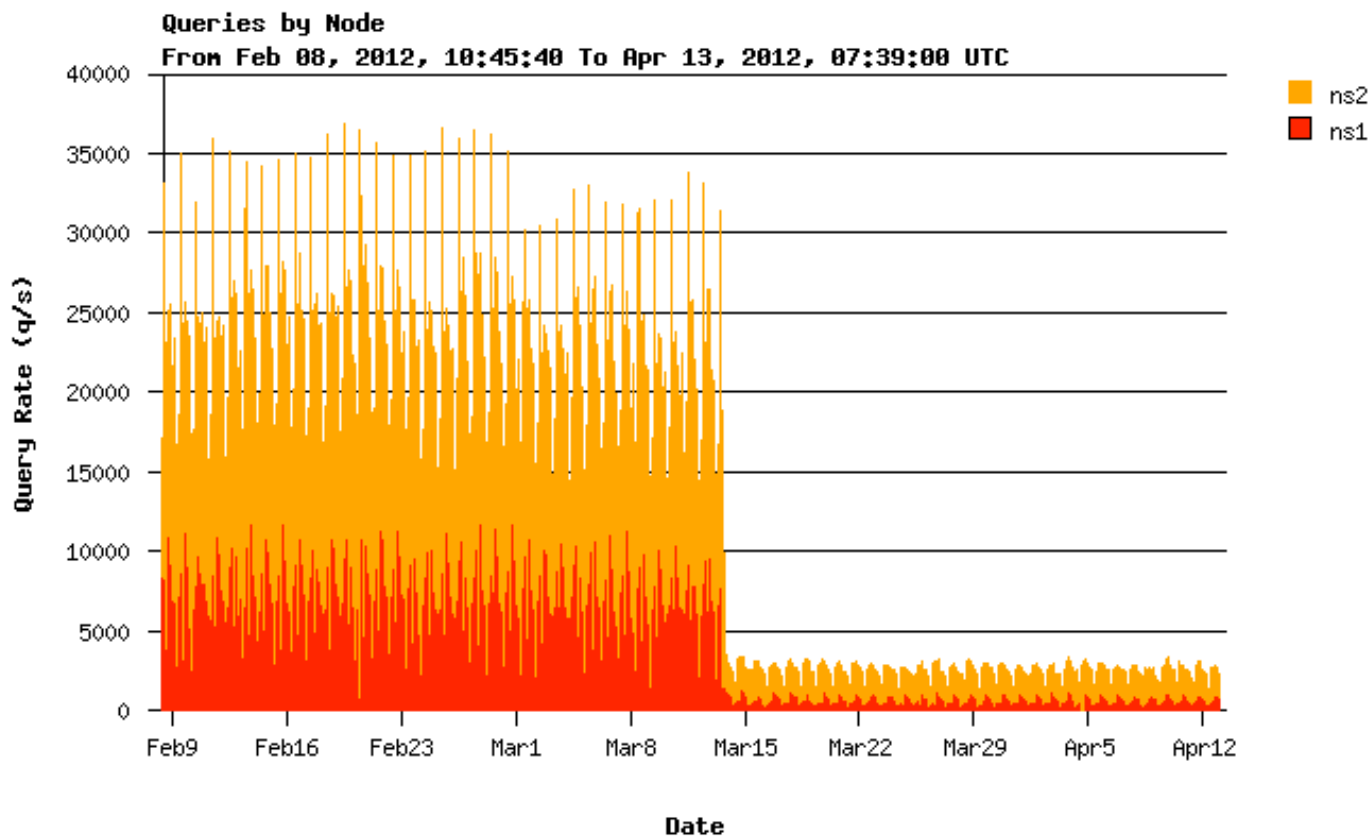
Queries to ns.ripe.net over IPv6



Queries to ns.ripe.net over IPv4



Queries to ns.ripe.net over IPv4



ENUM

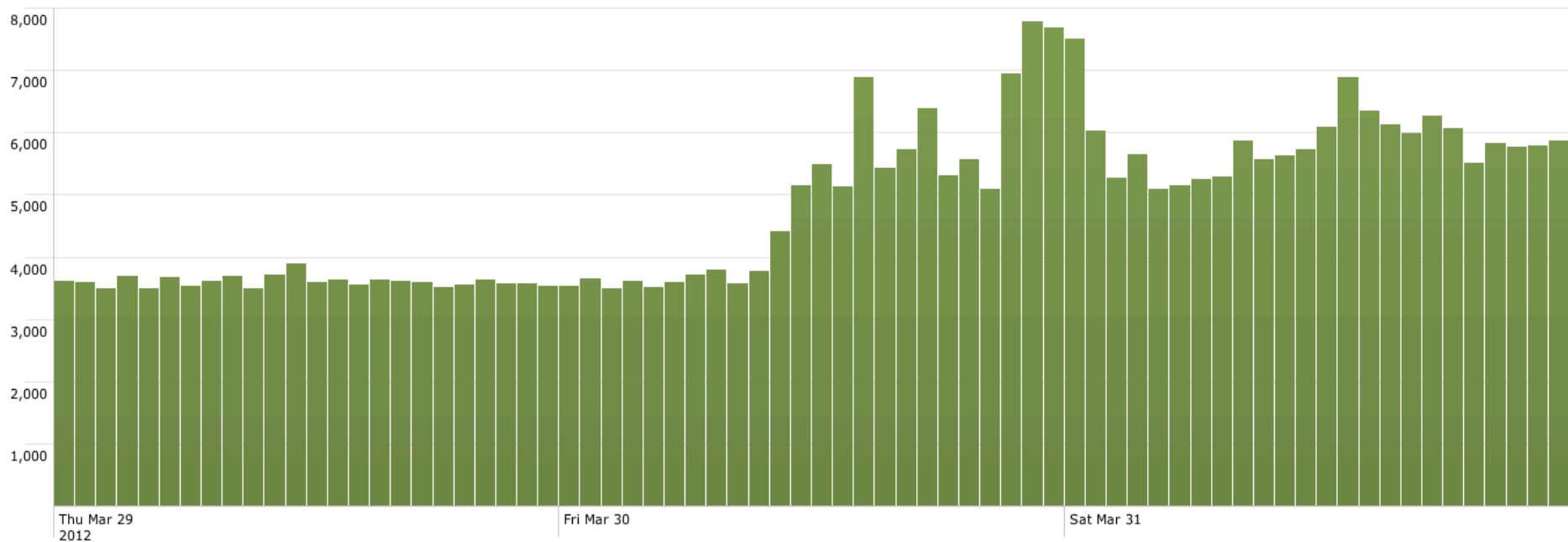
- 50 delegations
- No changes since RIPE 63
- More details in ENUM WG session

DNSMON

- Relies on the Test Traffic Measurement (TTM) network
- Will be transitioned to use Atlas infrastructure
- Details coming later this year

31 March

- Business as usual, but... DNSMON was busy!



Questions?

