

# RIPE NCC DNS Update

Brett Carr  
DNS Services  
RIPE NCC



# Overview

- Introduction
- ns-pri performance
- DNSSEC statistics
- Lameness within in-addr.arpa in the RIPE region



# ns-pri performance

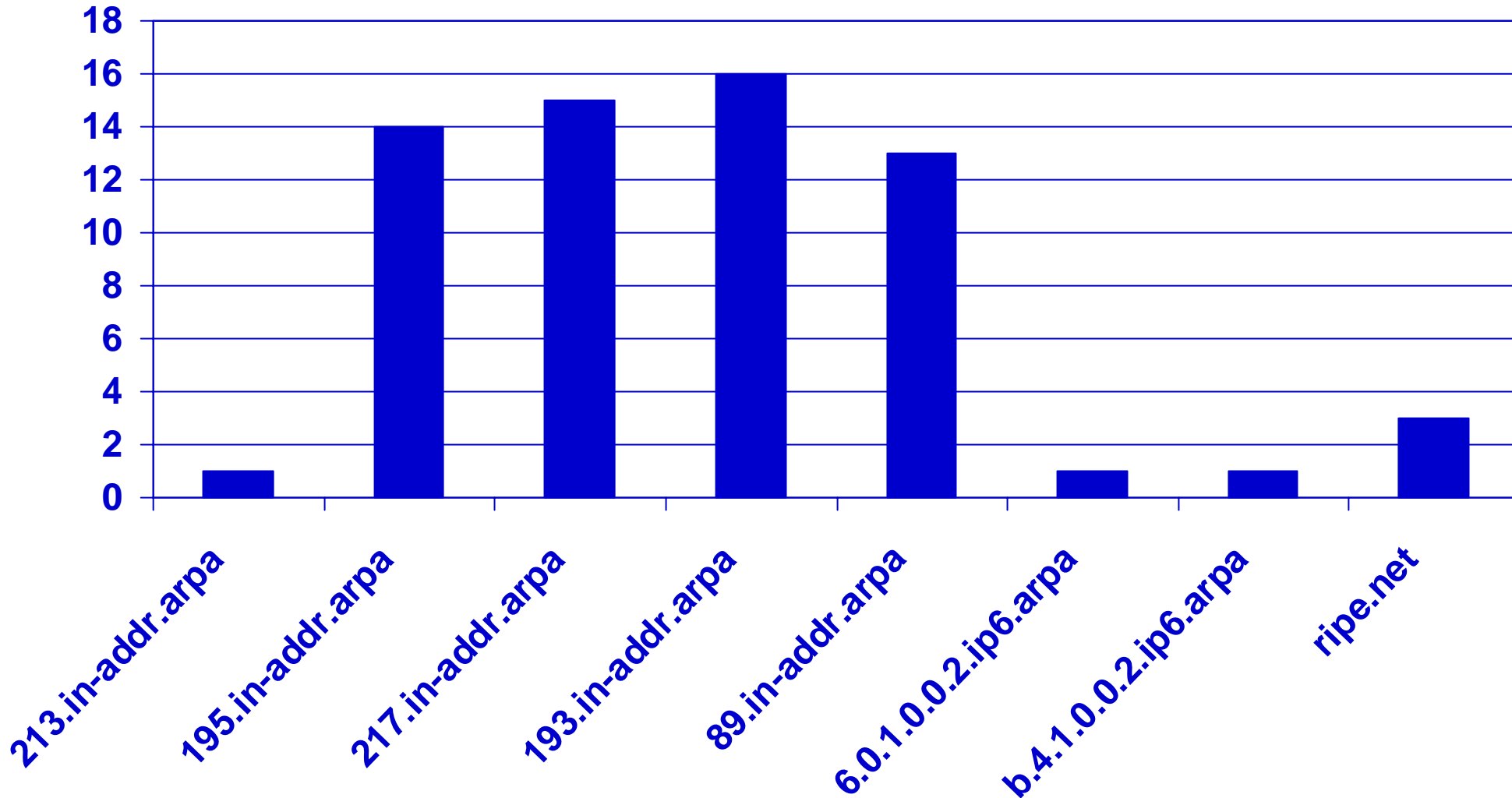
- Ideas but currently no firm evidence
  - Upturn in queries with DO bit set
  - Upturn in amount of queries
  - Upturn in zone sizes
- Further decrease in performance in August
- tcpdumps currently being analysed by NLnet Labs
- Move to new OS and hardware
- Upgrade to NSD or BIND 9.4



# DNSSEC statistics

- Total primary zones 113
- Signed zones 72
- NS Records 521811 (225432 sets)
- DS Records 61
  - RIPE NCC 14
  - Other 47

# DS Record Distribution





# Lameness in RIPE region in-addr.arpa

- Lameness on in-addr.arpa is a general problem
- Work already being done on this in APNIC and ARIN
- Lameness is approx 12% when one /8 was tested.
- Report on and improve the quality of reverse DNS.



# Lameness Checking Proposal

- Proposal sent to working group
- Check reverse delegations for lameness (over 5 days)
- Inform server administrators
- Report statistics
- Repeat each month
- <http://www.ripe.net/ripe/draft-documents/dns-lameness.html>
- Develop and publish implementation timeline



# ENUM Delegations

- Updates now receive automatic delegation checking
- Same checks as reverse space
- <http://www.ripe.net/cgi-bin/delcheck/delcheck2.cgi>
- [http://www.ripe.net/rs/reverse/delcheck/delcheck\\_descr.html](http://www.ripe.net/rs/reverse/delcheck/delcheck_descr.html)
- Domain object now supports ipv4 and ipv6 glue



# Questions?