rssac002.root-servers.org

andrew.mcconachie@icann.org RIPE 89 October 2024

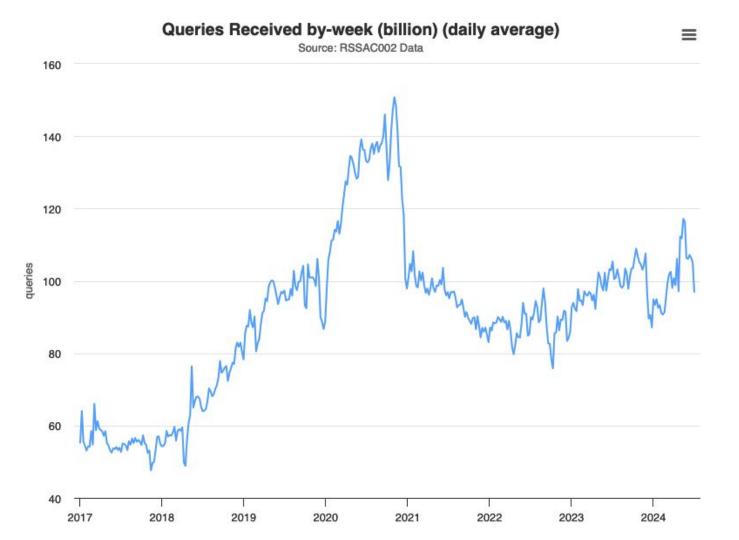
What is RSSAC002?

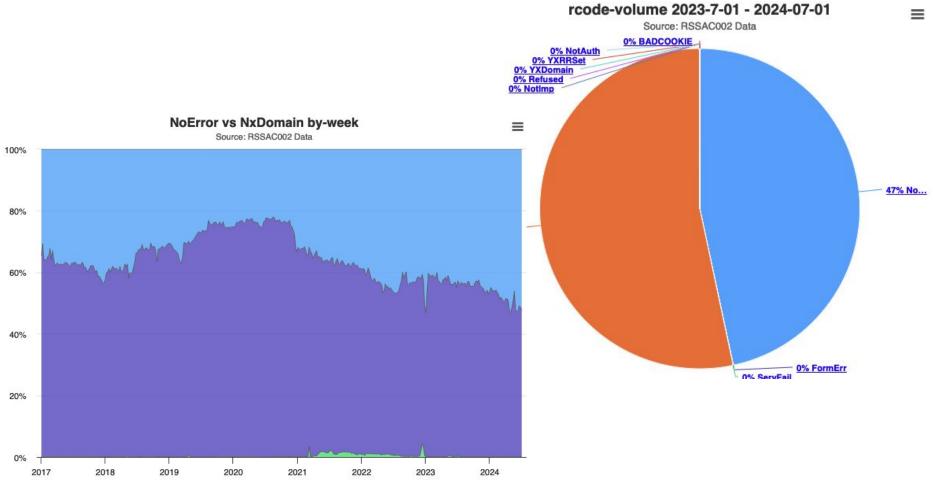
- RSSAC -> ICANN Root Server System Advisory Committee
- RSSAC002 is a set of measurements that root server operators publish
 - Currently at version 5

- Lots of counters collected daily
 - Counts of queries and responses (udp/tcp, v4/v6)
 - Counts of RCODEs responded with
 - Counts of unique IP sources seen (v4/v6)
 - Query and response packet size distribution
 - Latency in the publication of the root zone

RSSAC002 Data Visualizations

- Hosted at https://rssac002.root-servers.org/
 - o v1 deployed in 2021
 - v2 deployed in 2024
- V2 added data on RSS instances from root-servers.org.
- Useful for historical macro trend analysis (2017-01-01)
 - 3-week delay in visualization of data
 - This is <u>not</u> an operational tool
- All visualizations are interactive
- Open source
 - https://github.com/rssac-caucus/rssac002-charts
- Big thanks to these people for providing feedback
 - Fred Baker, Ray Bellis, Anand Buddhdev, Paul Hoffman, Ken Renard, Brad Verd, Duane
 Wessels, Lars-Johan Liman, Terry Manderson

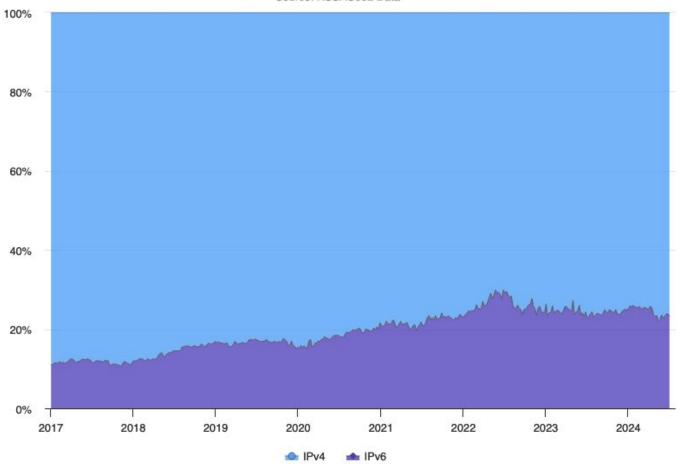




NoError



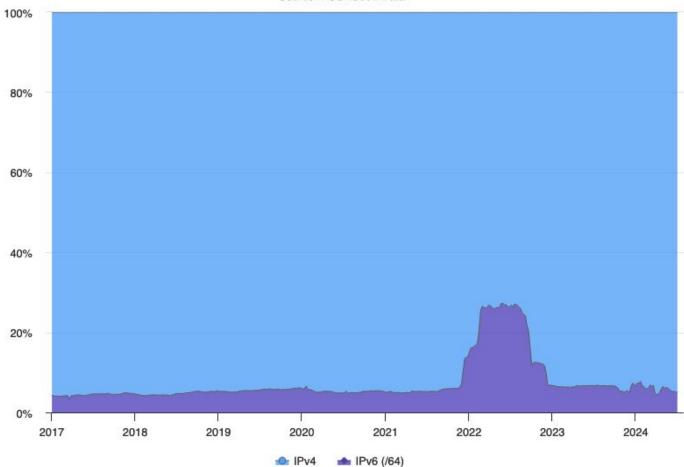
Source: RSSAC002 Data



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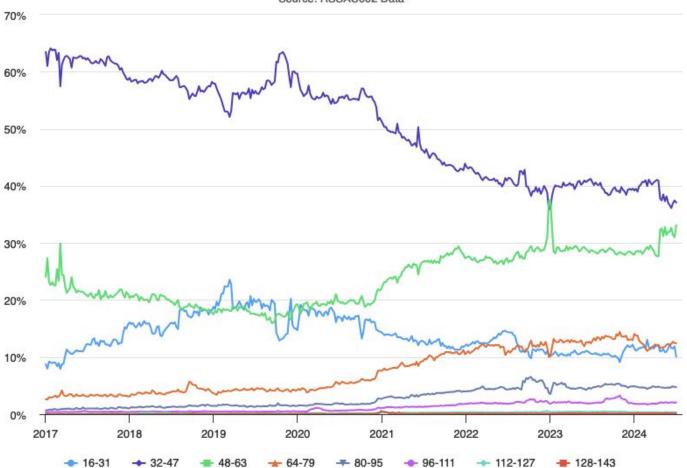
Source: RSSAC002 Data

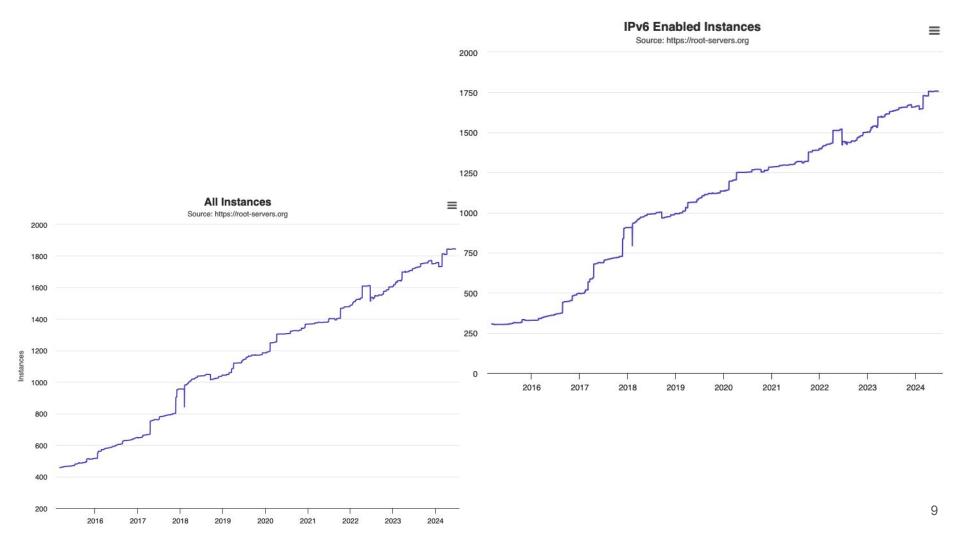


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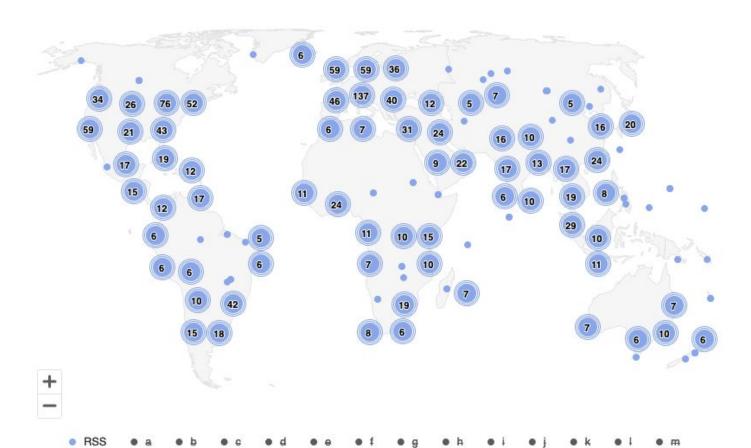
Source: RSSAC002 Data





1846 instances in 1500 Sites as of 2024-07-19

Source: https://root-servers.org



rssac002.root-servers.org