



RIPE NCC

RIPE NETWORK COORDINATION CENTRE

RIPE NCC DNS Update

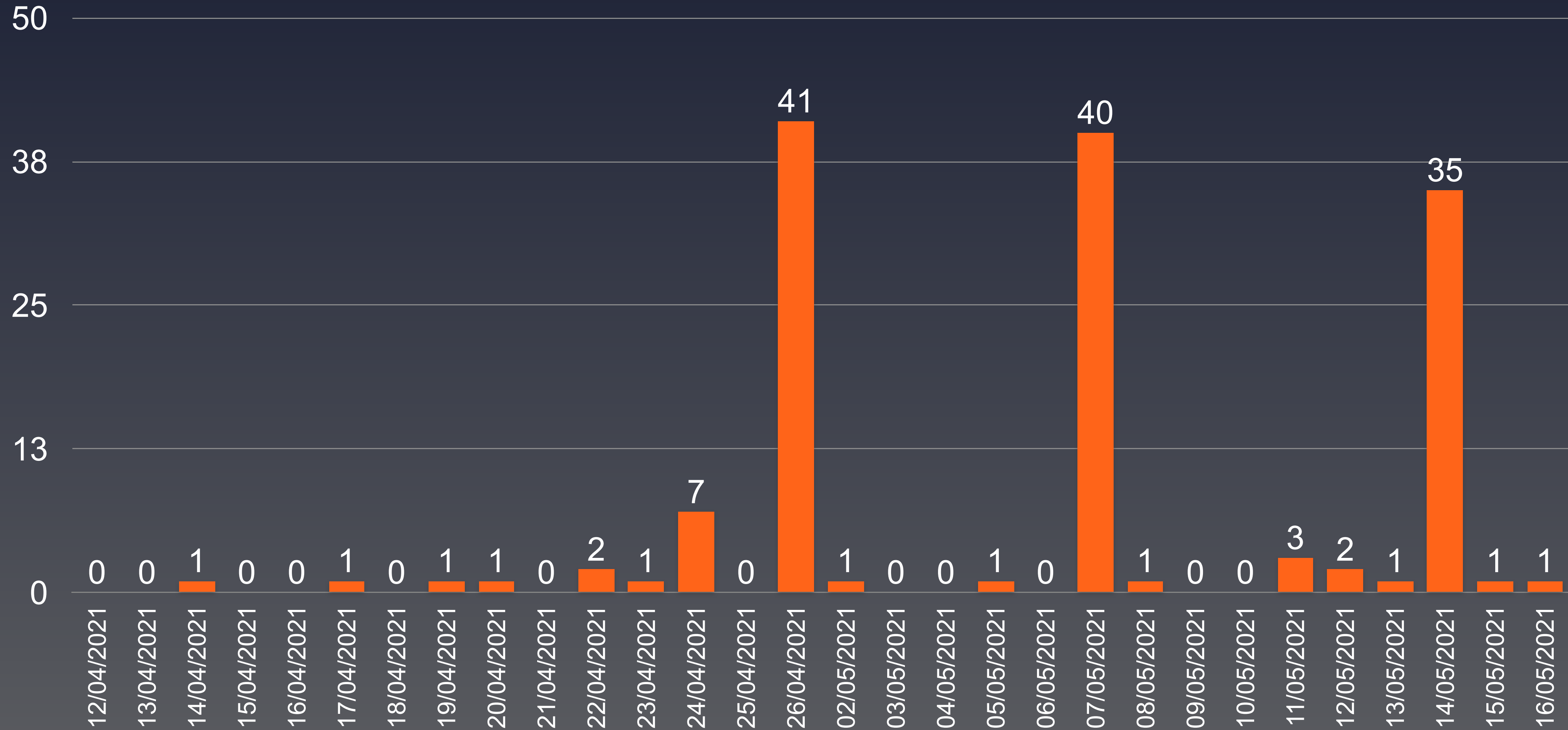
Anand Buddhdev | RIPE 82 | 19 May 2021

CDS for Reverse DNS



- Live since 25 March 2021
- Daily scan, followed by updates, at 07h00 UTC
 - Multi-threaded Python scanner
 - The update script updates domain objects in the RIPE Database
 - A few minutes later, the new DS records appear in the DNS
 - Currently, a maximum of 100 domain objects may be updated automatically
- No bootstrap
 - Only secure delegations are updated
 - DS record deletion (going insecure) is allowed

CDS Updates



K-root



- Business as usual, with 83 active sites (93 servers)
- Regular hardware maintenance at core sites
 - Replace routers and servers
 - Upgrade from 1G to 10G ports
- DITL 2021
 - 50 hours' worth of pcap files from 83 servers uploaded to DNS OARC

AuthDNS



- 3 core sites and 3 hosted sites
- Amsterdam site upgraded to 10G last week
- London and Stockholm upgrades in the pipeline
- “Hosted DNS” application being updated
 - We will accept applications to host instances of AuthDNS
 - Requirements host hosts (hardware, bandwidth, etc) will be published soon

DNSSEC Algorithm Roll-over



- Testing in progress
 - Switch from algorithm 8 to 13 for a test zone
 - Check that our signer (Knot DNS 3) performs all the roll-over steps correctly
 - Check that all major validating resolvers are able to validate records
 - We are not expecting any obstacles or issues
- We will perform the roll-over for all our zones after RIPE 82
 - Dates will be announced on the RIPE DNS Working Group mailing list



Questions



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