Abuse-c Validation & ASN Cleanup

RIPE NCC Data

Jeremy Walder - Marco Schmidt | RIPE 87 | 29 November 2023

Abuse-c Validation Process

- External verification tool

  - Checks that there are no formatting errors in the email address

  - Verifies DNS entries

  - Uses ping to check that the mailbox exists and accepts mail

  - No email sent, no further action required if verification is successful

- Further verification if test fails

  - Verification link sent to abuse-c email address

  - Ticket created at RIPE NCC and (sponsoring) LIR is contacted (first automated, then by RIPE NCC staff)

Abuse-c Validation Numbers

- Annual Validation

  - ~19.6K in LIR organisation objects

  - ~58.1K in LIR resource objects

  - ~15.4K in independent resource objects (PI & ASN)

- Around 2,000 contacts are checked weekly
- 6-8% fail the test

Abuse-c Validation Follow-up

- Invalid abuse-c in resource objects > will be replaced by working LIR abuse-c

- Invalid LIR abuse-c > extensive investigation is done

  - Research organisation status

  - Email and call available contacts

  - Contact upstream provider

- If member remains unresponsive for a long time, the membership can be terminated

ASN Number Clean-up

- Project to clean up unused Autonomous System (AS) Numbers

- Considered unused when:
  - No registration change for more than 13 months
  - No visible usage for more than 13 months

- RIPE NCC emails the (sponsoring) LIR

- ASN is returned if the member clarifies that the ASN isn't needed

ASN Number Clean-up - Numbers

- 4,000+ ASN holders have been contacted

- ~2,150 ASNs have been returned (54%)