RIPE Database Requirements Task Force

Task Force Members

- Nick Hilliard
- James Kennedy (co-Chair)
- Shane Kerr (Vice Chair)
- Peter Koch
- Sara Marcolla (until February 2021)
- Bijal Sanghani (Chair)

RIPE NCC Support:

- Boris Duval
- Maria Stafyla
- Edward Shryane

RIPE Database Requirements Task Force

- The RIPE Database Requirements Task Force was formed in October 2019 as an outcome of the Big Picture BoF that took place at RIPE 78 in Reykjavik, Iceland.

- The Task Force was tasked to produce a RIPE document listing the requirements for the RIPE Database and their rationales.

- The Task Force published its final report ahead of RIPE 83:
  - https://www.ripe.net/publications/docs/ripe-767

Our Work

- Regular meetings ([minutes publicly available](#))

- Two surveys

- Mailing lists feedback (ripe-list, db-wg)

- Three BoFs ([May 2020](#), [Oct 2020](#), [May 2021](#))

- Updates at RIPE Meetings ([RIPE 80](#), [RIPE 81](#), [RIPE 82](#))

- Data and information collection with support from the RIPE NCC

- Three draft published ([May 2020](#), [Oct 2020](#), [July 2021](#))

- [Final report published](#)

Obstacles

- COVID-19 disrupted our working process (no face-to-face meetings, Zoom fatigue etc.)
- The scope of the document was large and ambitious
- Diverging community views on key topics (e.g. legal address)
- Technical topics - hard to steer away from implementation details

What Went Well

- Different backgrounds and expertise
- Synergy between task force members
- Helpful feedback from the community via the surveys, BoF and mailing lists
- Strong support from the RIPE NCC (legal, technical and administrative)

Principles and Purposes

Data Management Principles
- Data accuracy
- Data consistency
- Data minimisation
- Data security

RIPE Database Purposes
- Providing authoritative and accurate registration of Internet number resources
- Provisioning the Reverse Domain Name System (rDNS)
- Publishing routing policies by network operators (RIPE IRR)
- Facilitating Internet operations and coordination
- Enabling research on and analysis of IP networking in the RIPE region

Requirements and Other Considerations

- Each requirement has a rationale, recommendation and is attached to a purpose
- Topics that were considered but not retained as requirements are listed under "other consideration"
- The recommendations are only suggestions
- They will need to be discussed by the relevant Working Groups before being implemented

Requirements and Other Considerations

- Baseline requirements for registration information of Internet number resources 6.1.2 IPv4 PA assignments
- The RIPE Database as an IPAM solution
- Historical data and personal data filtering
- Routing information
- Maintaining accurate routing origin information
- RPSL
- RPKI Database
- Operational Contact Information (PERSON and ROLE Objects)
- Publishing the legal address of resource holders

Up Next

- The RIPE Chair Team will coordinate with the relevant WGs
- WGs to discuss the recommendations via their respective mailing lists
- The community and the RIPE NCC will work together to implement the recommendations

Questions, feedback & dialogue