RIPE NCC
RIPE NETWORK COORDINATION CENTRE

RIPE NCC Tools Update

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RIPE NCC

RIPEstat

RIPEstat

- Service Quality and Monitoring
  - Focus area since RIPE 85
  - Adopted a more powerful system for log monitoring and analytics based on OpenSearch
  - A custom test framework (“TESTstat”) helped us to discover and monitor our progress with failing queries in the Data API
  - Majority of failed queries are due to failures in the backends
  - Deployed 50+ bug fixes and service improvements in the Data API

RIPEstat

- RPKI-History Feature
  - Address space covered by RPKI now exposed for every AS query
  - Data-pipeline improved to be less resource-intensive
- M-Lab Data
  - Review and test of reintegrating M-Lab data successful
  - ETA Q2 2023

RIPEstat

- RIPEstat UI2020 (web application)
  - Bug fixes, interface tweaks and accessibility improvements
  - Change log:

    https://stat.ripe.net/docs/03.RIPEstat-UI-(Current)/03-releases.html
- RIPEstat UI2013 (widget-based)
  - Preparations for open sourcing: library updates and code clean-up
  - Some feature requests will also be implemented before the OS release

RIPE Atlas

RIPE Atlas

- Ongoing: User Interface (website/app) renewal
  - Modernising the UI, reviewing layout and functionality, improving UX
  - Documentation is renewed, ambassador support, promotional pages are up next
- Ongoing: Probe firmware packaging
  - Reworking the probe package to better match popular Linux distributions
  - Main goal is to simplify development, installation and upgrades (maintenance)
  - Looking forward to working with package maintainers
- Ongoing: Modernising the result storage/retrieval backend
  - Looking at the data retention policies, costs, cloud technologies, … aligned with actual, real-life use of data

RIPE Atlas

- Published an “API usage antipatterns” article
  - Contains useful hints for heavy use of the APIs
- Looking at addressing possible misuse: “probe farms”
  - Where some users seem to run multiple probes just to gain credits
  - With virtually zero benefit for the community or the network

RIPE IPmap

RIPE IPmap: Update

- Improved single-radius scheduling queue issues ("this measurement has been queued")
- Smarter probe selection
- Dumps at https://ftp.ripe.net/ripe/ipmap/ now give recent "latency" engine data

RIPE IPmap: Focus

- Crowdsourcing interface
- Geofeed integration - analyse (potential) use for "infrastructure" addresses (as opposed to eyeballs)
- Smarter active scheduling
- Better, more targeted latency measurements (including for reverse-dns model input)

RIPE RIS

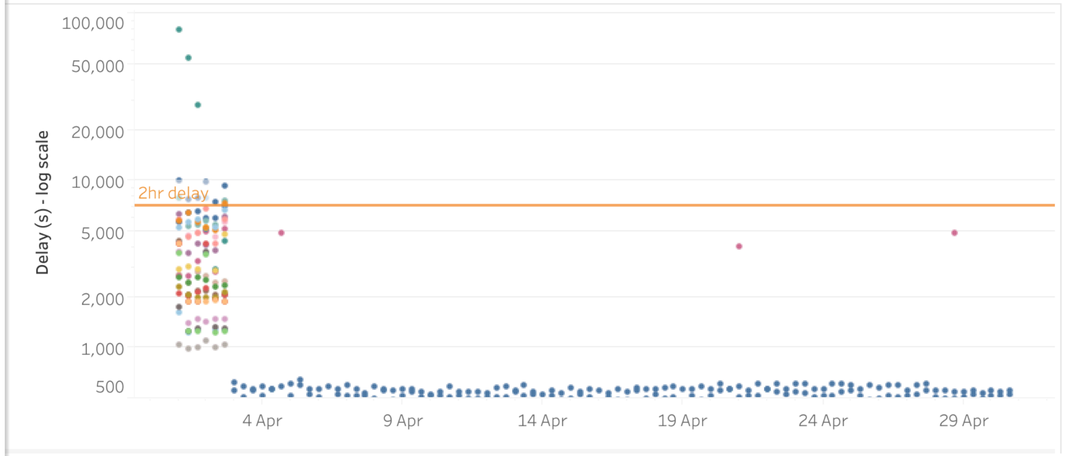
RIS: More Timely and Smaller MRT

- We changed the process that generates MRT RIB dumps
  - Files much smaller (25% of earlier size) and delivered with less delay (2hr -> 10m)

data.ris.ripe.net/rrc00/2023.04/

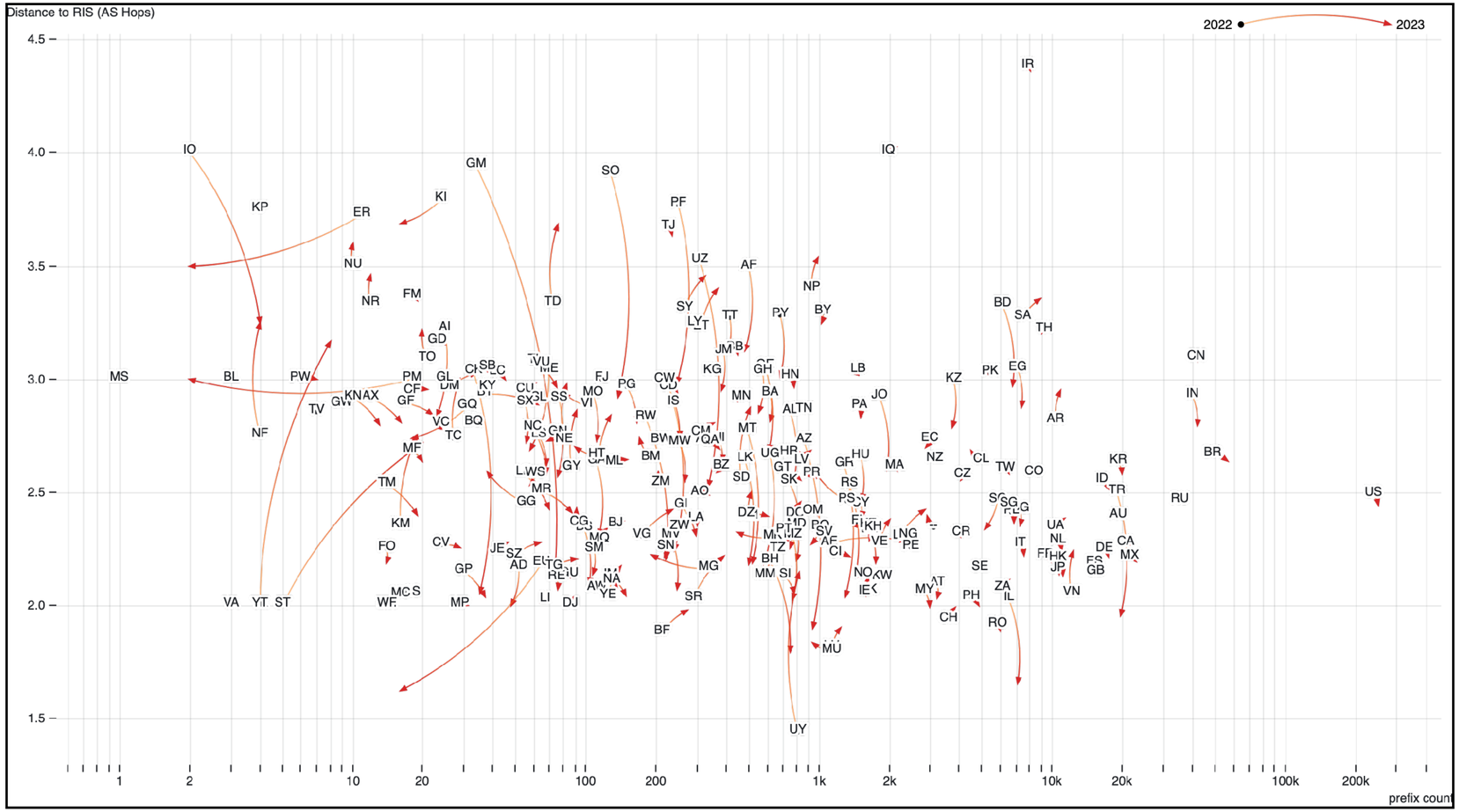
Index of /rrc00/2023.04/

../		
bview.20230401.0000.gz	01-Apr-2023 02:47	2G
bview.20230401.0800.gz	01-Apr-2023 10:09	2G
bview.20230401.1600.gz	01-Apr-2023 18:12	2G
bview.20230402.0000.gz	02-Apr-2023 02:43	2G
bview.20230402.0800.gz	02-Apr-2023 10:05	2G
bview.20230402.1600.gz	02-Apr-2023 18:35	2G
bview.20230403.0000.gz	03-Apr-2023 00:10	389M
bview.20230403.0800.gz	03-Apr-2023 08:09	383M
bview.20230403.1600.gz	03-Apr-2023 16:09	382M
bview.20230404.0000.gz	04-Apr-2023 00:09	383M
bview.20230404.0800.gz	04-Apr-2023 08:09	384M
bview.20230404.1600.gz	04-Apr-2023 16:09	383M
bview.20230405.0000.gz	05-Apr-2023 00:10	384M
bview.20230405.0800.gz	05-Apr-2023 08:10	387M
bview.20230405.1600.gz	05-Apr-2023 16:09	388M
bview.20230406.0000.gz	06-Apr-2023 00:09	388M
bview.20230406.0800.gz	06-Apr-2023 08:09	385M
bview.20230406.1600.gz	06-Apr-2023 16:09	386M
bview.20230407.0000.gz	07-Apr-2023 00:09	386M



RIS: Peering Strategy

- Focus on adding peers that add to our diversity



Questions

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