Registration Services Update

Marco Schmidt | RIPE NCC | 30 October 2024
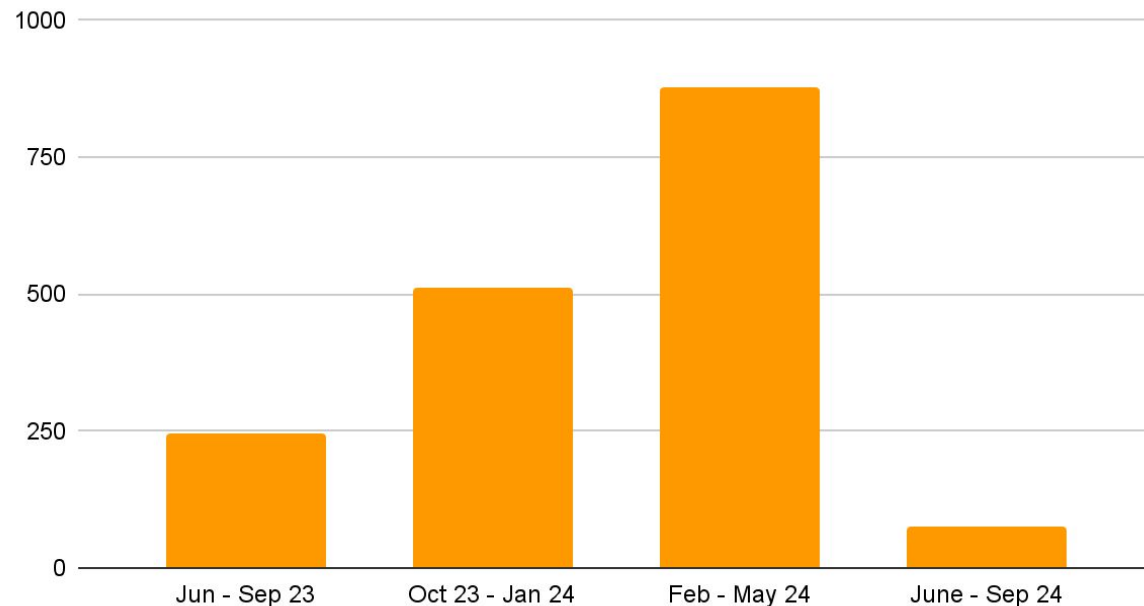
IPv6 Allocation Transfers

- IPv6 allocation stockpiling was [discussed](#) during RIPE 88 in the Address Policy Working Group session

- Based on the Working Group's guidance, Registration Services began prioritising policy enforcement in June 2024

- Maintaining a flexible approach to find optimal solutions, such as returning unused allocations by the receiving party or post-transfer returns to avoid re-signing transfer agreements

- Overall good acceptance from involved parties, with only a few expressing disagreement

- The approach appears effective, still supporting the transfer of needed IPv6 allocations while encouraging the return of unneeded ones

Development IPv6 Transfers

IPv6 Allocations Transferred

- Transferred allocations dropped by 90% from the previous four months and 70% compared to the same period last year

- Of the 76 transferred allocations in the last four months, 30 were immediately returned, or other allocations were returned in their place.

More Consideration

- Registration Services is applying a similar approach for LIR consolidation, as policy requirements apply per LIR

- Registration Services carefully reviews cases where the receiving party previously transferred their IPv6 allocation and now requests another, either via transfer or directly from the RIPE NCC - this is evaluated on a case by case basis

- The RIPE NCC plans to audit members with multiple IPv6 allocations to better understand their needs and ensure policy compliance
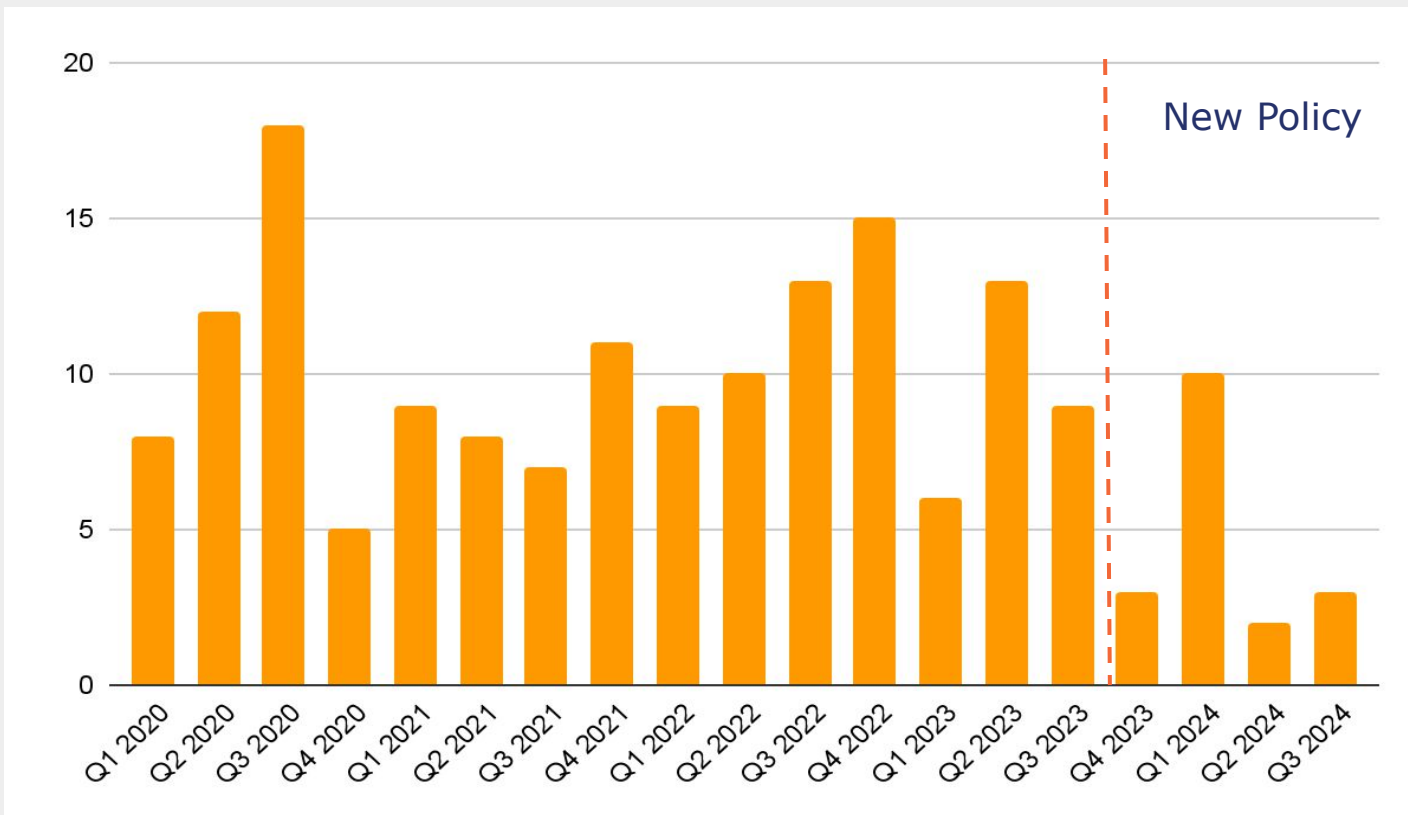
Update on IXP Assignments

IXP Pool

- In September 2023, policy proposal "2023-01: Reducing IXP IPv4 assignment default size to a /26" reached consensus and was implemented

- Proposal aimed to extend the RIPE NCC IPv4 pool's lifespan by reducing the default assignment size

- 12 months have passed, time for a first review…

Approved IXP IPv4 Assignments

Total Assigned IPv4 for IXPs
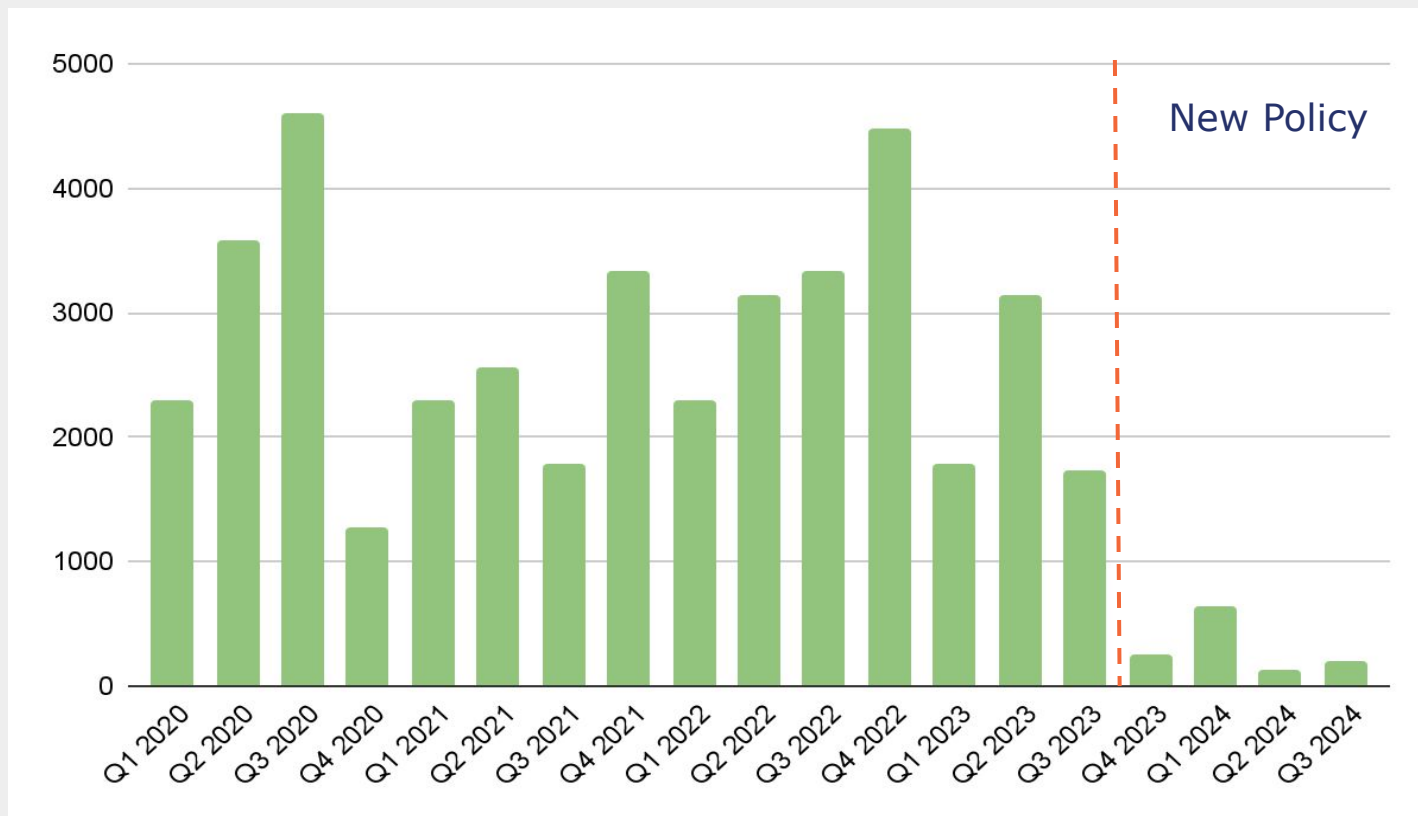
Conclusion

- Current average monthly assignment rate is ~/26

- RIPE NCC's pool for IXPs: ~/16,/21 (68,352 IPs)

- Subsequent estimated depletion date: **Somewhere in the next century**

- **Mission accomplished :-)**

Temporary Transfers

Temporary Transfers

- The RIPE transfer policy allows both permanent and temporary transfers

- During RIPE 86 potential challenges around temporary transfers were <u>presented</u>:

  - Extreme short or long transfer periods

  - Different rules in terms of holding period and transferability

  - Complications if something happens to the involved parties during the transfer period

Good News

- The [RIPE NCC transfer procedure](#) was updated to address cases where changes occur with the involved parties during the transfer period

  - Members: If the Receiving Party's membership is terminated, resources return to the Offering Party immediately; if the Offering Party's membership is terminated, RIPE NCC will deregister the resources at the end of the transfer period.

  - Sponsored Resources: If the Receiving Party's sponsorship ends and isn't renewed, the resources return to the Offering Party. If the Offering Party does not have or re-establish sponsorship, the resources will be deregistered.

  - Sanctions: If the Offering Party is sanctioned after the transfer period, resources stay under RIPE NCC control until sanctions lift; if the Receiving Party is sanctioned, resources return to the Offering Party.

Less Good News

- The RIPE NCC continues to receive temporary transfer requests for periods ranging from a few days to over 10 years.

- **Should the policy specify a reasonable transfer period?**

Transfer Statistics

Transfer Statistics

RIPE NCC publishes all transferred resources with details as outlined in the RIPE Transfer Policy
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This list will contain information about approved changes. The following information will be published:
- *The name of the offering party*
- *The resource originally held by the offering party*
- *The name(s) of the receiving party or parties*
- *Each subdivided prefix (each partial block derived from that original block) or resource received*
- *The date each resource was transferred*
- *Whether it was a transfer according to this policy or a transfer due to changes to an organisation's business structure (such as a merger or acquisition)*

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Original Block	Transferred Blocks	From	To	Transfer Type	Date
159.253.48.0/21	159.253.48.0/21	iDAQ Ltd.	Roebuck Group Limited	POLICY	28/10/2024
178.23.160.0/21	178.23.160.0/21	iDAQ Ltd.	Roebuck Group	POLICY	28/10/2024

Transfer Statistics

- There is other useful information that these statistics currently don't show

  - Country of offering and receiving party
  - Permanent or temporary transfer
  - …

- **Should policy requirements be considered the minimum standard, with the RIPE NCC adding more useful data based on identified need?**

  Or

- **Should the policy's prescriptive list be updated through the PDP?**

Questions & Comments ❓

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