Removing mandatory IPv4 PA Self assignment

Policy change proposal

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RIPE Database Requirements Task Force
Research

- Since existing LIRs not eligible to request additional IPv4 prefixes

- Requirement PA assignments in RIPE Database partly obsolete

- Application IPv4 assignment registration policies in RIPE Database are inconsistent.

  - Over half a million /32 assignments (530,995)

  - Over 16 thousand PA allocations with no child PA assignments (16,232)

RIPE Database Requirements Task Force
Recommendation

- Stop mandatory IPv4 PA assignment for own usage

- But keep it possible to assign it to the database

- Strongly recommend documenting sub-allocations that are used for another entity

Policy Proposal
The main goal

- Minimalize rules to only what is really needed.

- Don't obligate LIRs into rules that don't have a real purpose.

Policy Proposal
The change

- Change IPv4 PA Assignment requirement from "must" to "may" for own network infrastructure

- Stay's possible and is recommended to keep making assignments

- Still obligated when sub-allocate IPv4 resources to other entities.

- Legacy space is out of scope

Policy Proposal
Arguments supporting the proposal

- Justify additional IPv4 allocation to the RIPE NCC is obsolete.

- The application of IPv4 assignment registration policy is inconsistent.

- Resource holders of a /24 allocation are required to create at least two assignments (/25 or smaller).

- In line with data consistency and data minimization principles.
  (Data stored in RIPE DB should be adequate, relevant, and limited to only what is necessary / Recommended that resource registration requirements are applied consistently)

- More flexibility.

Policy Proposal
Arguments opposing the proposal

- Exceptions don't make the policy more understandable.

- Public tracking arguments weak enough for policy change.

Policy Proposal
Current policy text

4.0 Registration Requirements
All assignments and allocations must be registered in the RIPE Database. This is necessary to ensure uniqueness and to support network operations.

Only allocations and assignments registered in the RIPE Database are considered valid. Registration of objects in the database is the final step in making an allocation or assignment. Registration data (range, contact information, status, etc.) must be correct at all times (i.e. they have to be maintained).

Policy Proposal
New policy text

4.0 Registration Requirements
Allocations and assignments to third parties must be registered in the RIPE Database to be considered valid. For IPv4 PA assignments used for the LIR's own network infrastructure, registration is recommended but not mandatory. This is necessary to ensure uniqueness and to support network operations.

Registration of objects in the database is the final step in making an allocation or assignment. Registration data (range, contact information, status, etc.) which filled in the database, must be correct at all times.

Thank you.

And thanks to all who contributed!

Questions
Feedback
&&
Discussion