

Policy proposal 2007-08

Reallocation of v4 resources

Nigel Titley

nigel@titley.com

Remco van Mook

remco@virtu.nl

New proposal

Policy Proposal Name:

Enabling methods for reallocation of IPv4 resources

Authors: name: Nigel Titley and Remco van Mook

e-mail: nigel@titley.com, remco@virtu.nl

organisation: Easynet & Virtu

Proposal Version: 1.0

Submission Date: 2007-10-23

New proposal

Proposal Type: new

Policy Term: Permanent

Summary of proposal:

This proposal outlines a framework to migrate previously allocated IPv4 resources from one LIR to another LIR within the RIPE NCC region.

Policy text

Any LIR is allowed to re-allocate complete or partial blocks of IPv4 address space that have been previously allocated to them either by the RIPE NCC or by IANA but which are currently not assigned.

Re-allocation may only be to another LIR within the RIPE NCC service region.

The block that is to be re-allocated must not be smaller than the minimum allocation block size at the time of re-allocation.

Policy text (2)

Re-allocation is to be reflected in the RIPE database.

This re-allocation may be on either a permanent or non-permanent basis.

The re-allocation will be notified to the RIPE NCC who will record the change of allocation.

Re-allocated blocks will be signed to establish current allocation owner.

Rationale

- We need a new mechanism when we run out of the ability to supply LIRs with fresh IPv4 allocations
- This policy is meant to create a framework to enable usage of the significant pool of 'allocated but unused IPv4 resources
- Implementing both permanent and non-permanent transfer can probably accommodate most reallocation mechanisms that will evolve

Rationale (2)

- Not implementing this or similar will not stop new mechanisms from evolving
- Transferring resources between non-LIRs is outside the scope of this policy
- Transferring resource between LIRs of different RIRs is also outside the scope of this policy

Arguments against

- This is a big departure from currently set policy.
- It also leans heavily on the quality of (execution of) current allocation policy to prevent potential abuse or an increased speed of depletion.

Thank you

- Questions?

Remco van Mook

remco@virtu.nl

Nigel Titley

nigel@titley.com