



Recommended Draft Policy ARIN-2018-4: Clarification on Temporary Sub-Assignments

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Problem Statement (1 of 2)



When the policy (NRPM 2.5) was drafted, the concept of assignments/sub-assignments did not consider the use of IP addresses in hotspots, or the use of IP addresses by guests or employees in Bring Your Own Device (BYOD) and many other similar cases.

Additionally, the IETF has recently approved the use of a unique IPv6 /64 prefix per interface/host (RFC8273) instead of a unique address. This, for example, allows users to connect to a hotspot, receive a /64 such that they are "isolated" from other users (for reasons of security, regulatory requirements, etc.) and they can also use multiple virtual machines on their devices with a unique address for each one (within the same /64).

Problem Statement (2 of 2)



Currently (NRPM 2018.2), Section 2.5 explicitly prohibits such assignments, stating that assignments and reassignments are intended “for the exclusive use of the recipient organization.”

This proposal clarifies this situation in this regard by means of additional clarifying language in the Definitions section.

Additional Background



- Similar definitions in RIPE NCC's policy had previously been strictly interpreted, disallowing organizations with direct assignments from providing IPv6 /64 allocations to users of Wifi hot spots.
- This situation was addressed by RIPE NCC policy 2016-4, although final consensus language contains a discrepancy with the policy's Impact Analysis. Proposal 2018-02 has been submitted to RIPE NCC to address.
- Similar proposals addressing this issue have been submitted to remaining RIRs by the author.

Revised NRPM 2.5 Text

(Additional Text in Red)



2.5. Allocation, Assignment, Reallocation, Reassignment

Allocation - Address space delegated to an organization directly by ARIN for the purpose of subsequent distribution by the recipient organization to other parties.

Assignment - Address space delegated to an organization directly by ARIN for the exclusive use of the recipient organization.

Reallocation - Address space sub-delegated to an organization by an upstream provider for the purpose of subsequent distribution by the recipient organization to other parties.

Reassignment - Address space sub-delegated to an organization by an upstream provider for the exclusive use of the recipient organization.

Note that the incidental or temporary use of address space by third parties shall not be considered a reassignment or a violation of the exclusive use criterion.

History



- The proposal was accepted as a Draft Policy by the Advisory Council on April 18, 2018, and submitted to PPML on April 23, 2018.
- Between April 23 and May 15, PPML discussion showed consensus as to the policy goals but recommended changes in policy text to better achieve the goals of the Problem Statement. The policy was renamed from “Clarification on IPv6 Sub-Assignments” to “Clarification on Temporary Sub-Assignments” to reflect that new language was no longer IPv6-specific.
- Revised text was sent to PPML on July 17, and additional discussion recommended minor revisions. Further revisions incorporated feedback from ARIN’s Staff and Legal Review, and incorporated editorial revisions to NRPM Section 2.5, implemented in July. Updated language was posted to PPML on August 30.
- The ARIN AC advanced the Draft Policy to Recommended Draft Policy status on September 20, 2018.



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Thank you.

Any Questions?



Discussion

