

IPv4 Soft Landing Proposal

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agenda

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The Objective(s) of the Proposal

In order to ensure a smooth transition to IPv6, AfriNIC's pool should be managed to provide members with address space after the IPv4 pool is depleted, in order to maintain and deploy IPv4 networks while deploying IPv6 networks during a gradual transition to IPv6. This document proposes a strategy for allocation and Assignment and maintenance of AfriNIC's final /8 block of IPv4 from IANA.

Summary of the Proposal

5 Current Phase: Use current polic

The current phase will continue until an otherwise-valid request for IPv4 address space from any LIR or end user to AfriNIC either (a) cannot be fulfilled with the IPv4 address space available in the AfriNIC pool (with the exception of the Last /8), or (b) can be fulfilled, but would leave the AfriNIC IPv4 address pool empty (with the exception of the Last /8).

AfriNIC will publically announce that the Exhaustion Phase has begun at this point.

Summary of the Proposal (ctd)

6 Exhaustion Phase

Divided into two parts:-

- a). Modified Status Quo
- b). Allocation for transition to IPv6

6.1a). Modified Status Quo

Allocation/assignment of address space will continue as in the Current phase (/24 for a EU and /22 for a LIR) but the maximum will change from /10 to /13.

Until we reach a /11

6.1b). Allocation for Transition to IPv6

Minimum allocation/assignment size will be /27. the maximum allocation/assignment will be /22.

Summary of the Proposal ctd

A /12 IPv4 address block will be in reserve out of the last /8 pool.

AfriNIC's be given prerogative to replenish /8 pool when depleted

No more than 10% per allocation/assignment may be used outside of the AfriNIC region, and any use shall be solely in support of connectivity back to the AfriNIC region.

Existing Policies Affected and How

AFPUB-2005-v4-001

This is the current IPv4 address allocation policy and introduction of the Softlanding Policy will replace this in the second phase

AFPUB-2007-GEN-001

Current Allocation and Assignment Period - 12

History of this Proposal

AFPUB-2010-v4-004.

- 07.01.2009 Proposal first posted to the mailing list by PDP-MG chair.
- 13.01.2009 Updated version of proposal is posted to mailing list by author.
- 13.05.2009 Updated version of proposal is posted to mailing list by author.
- 23.05.2009 Proposal fails to reach consensus at AfriNIC-10 (21.05.2009, Cairo-Egypt).
- 28.09.2009 Updated version of proposal is posted to mailing list by author.
- 27.11.2009 Proposal fails to reach consensus at AfriNIC-11.
- 12.05.2010 Author posts updated text of proposal to mailing list. New reference now AFPUB-2010-v4-001
- 03.06.2010 Proposal reached consensus during AfriNIC-12 in Kigali - Rwanda with some modifications
- 14.07.2010 15 Days Last Call for Comments period ends. Due to objections on during the period, proposal now goes back to mailing list for discussion.
- 07.11.2010 Author posts updated copy of proposal to mailing list.

Let the Deliberations Begin