

IPv4 Soft Landing Proposal

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agenda

- Brief introduction of author/authors.
- History of this proposal
- The objective(s) of the proposal
- Existing policies affected and how
- Summary of the Proposal
- Q&A

Brief Introduction of Author(s)

- Douglas Onyango
- Delta IT Solutions

The Objective(s) of the Proposal

- In order to ensure a smooth transition from IPv4 to IPv6, the lifespan of IPv4 can be increased in order to give network operators more time to make the transition. This document proposes a strategy for allocation and maintenance of AfriNIC's final /8 block of IPv4 from IANA.

Summary of the Proposal

Continue allocating IPv4 addresses to the LIRs using the current allocation policy www.afrinic.net/docs/policies/AFPUB-2005-v4-001.htm - until a request for IPv4 address space from any LIR to AfriNIC either cannot be fulfilled with the IPv4 address space available in the AfriNIC pool (with the exception of the last allocated /8 address block from IANA) or can be fulfilled but leaving the AfriNIC IPv4 address pool empty (with the exception of the last allocated /8 address block from IANA).

Summary of the Proposal

- the new minimum allocation size of /24 (256 addresses)
- /23 (512) will be the maximum allocation size possible
- With each new allocation allocate an IPv6 address block in compliance with the current
- current allocation and assignment period of 12 months shall be changed to 8 months to ensure near and midterm address requirements are met

Summary of the Proposal

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% resources can be used outside of the AfriNIC region - and only to connect back to resources within the African 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

- First posted 06-01-09
- Deliberations in Two Public policy Meetings (Cairo, Dakar)

Let the Deliberations Begin