IP policy update
Comparative status in all RIR regions

Policy SIG, APNIC 21

2 March 2006

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Overview

- APNIC community policy status
- Other RIR communities policy status
  - AfriNIC
  - ARIN
  - LACNIC
  - RIPE

Policy development update

- Nov 2005, APNIC EC endorsed
  - prop-005-v005 IANA policy for allocation of IPv6 blocks to RIRs
  - prop-030-v002 Deprecation of ip6.int reverse DNS service
  - prop-031-v002 Proposal to amend APNIC IPv6 utilisation requirement policy

Current policy proposals

http://www.apnic.net/docs/policy/proposals/

Under discussion

- prop-020-v001 Application of HD ratio to IPv4
  - First discussed in APNIC 18
  - Update in APNIC 19
  - LIR survey conducted
    - Shared survey results in APNIC 20
    - No proof of correlation between the problems, network size and complexity, number of services and levels of hierarchy
  - Further discussion in policy mailing list
    - No further support expressed
- Other RIRs
  - "Last call" in RIPE region
  - Abandoned in LACNIC and ARIN
- Next steps
  - Subject to action by Policy SIG

Policy proposal in APNIC 21

- prop-032-v002 4-byte AS number policy proposal
  - *details a set of actions and associated dates for RIR AS number allocation policies to assist in an orderly transition to use of the 4-byte AS number space*
  - Proposed by: Geoff Huston
  - Under discussion in APNIC Mailing list since Dec 15, 2005
    - No comments from the APNIC community
- Other RIRs
  - Also in discussion phase
  - Presentations at respective OPM

Status in other RIRs - IPv4

Proposal discussion	RIR	Status
Apply HD ratio for IPv4 allocations	APNIC RIPE	Under discussion Concluding phase
Additional allocation to Regional ISP at 50% utilisation	LACNIC	Under discussion
Address space for anycast services	RIPE ARIN	Under discussion Under discussion
Address space for multiple discrete networks	ARIN APNIC	Adopted Abandoned

Status in other RIRs - IPv4

Proposal discussion	RIR	Status
Global addresses for private network inter-connectivity	ARIN	Adopted
End user assignment	AfriNIC	Consensus and for Board approval
Temporary address assignments (experiments)	AfriNIC	Consensus and for Board approval

Status in other RIRs - IPv6

Proposal discussion	RIR	Status
HD ratio to 0.94	APNIC ARIN RIPE	EC endorsed Adopted Under discussion
Amend IPv6 assignment and utilisation requirements	APNIC ARIN RIPE	No consensus- Assign Under discussion Under discussion
IPv6 blocks from IANA to RIRs (global policy)	ALL	Endorsed in APNIC, ARIN, LACNIC Others in review
Address space for anycast services	RIPE	Under discussion
PI assignments for end site (Portable assign)	ARIN	Under discussion

Status in other RIRs - ASNs

- 4-Byte AS Numbers
  - Proposal discussed in all regions
    - Posted to mailing lists
      - Will be discussed at upcoming RIR meetings

- Changes to ASN assignment criteria
  - Under discussion in AfriNIC

Status in other RIRs - DNS

- Deprecation of ip6.int reverse DNS service
  - Endorsed by APNIC EC
    - Implementation time frame 6 June 2006
  - Presentation at RIPE 51 → DNS WG
- DNSSEC in reverse tree
  - Implemented in RIPE

Policy proposal references

- ## AfriNIC:

  http://www.afrinic.net/policy.htm

- ## ARIN:

  http://www.arin.net/policy/proposals/proposal_archive.html

- ## APNIC:

  http://www.apnic.net/docs/policy/proposals/index.html

- ## LACNIC:

  http://lacnic.net/en/politicas/index.html

- ## RIPE:

  http://www.ripe.net/ripe/policies/proposals/index.html

Questions?

Thank you!

Let's discuss this

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