Current Policy Topics

A Worldwide Look

Slightly New on Board

Ana Matic

Overview

- RIPE Policy and PDP Update

- Worldwide Look by Topic

  - IPv4

  - End tail of IPv4 pool related

    - Usage of last blocks

    - Transfer

  - IPv6

  - ASN

RIPE PDP Update - Archived

- Withdrawn

  - Assigning IPv6 PI to Every INETNUM Holder (2008-01)

  - Assigning IPv6 PA to Every LIR (2008-02)

  - Cooperative Distribution of the End of the IPv4 Free Pool (2007-09)

- Accepted

  - Global Policy for the Allocation of the Remaining IPv4 Address Space (2008-03)

    - Concluded in all regions now

  - Direct Internet Resource Assignments to End Users from the RIPE NCC (2007-01)

RIPE PDP Update - Ongoing

- **Discussion Phase**

  - Provider Independent (PI) IPv6 Assignments for End User Organisations (2006-01)

  - IPv6 ULA-Central (2007-05)

  - Anycasting Tier 0/1 ENUM (2008-05)

  - Use of Final /8 (2008-06)

  - Ensuring Efficient Use of Historical IPv4 Resources (2008-07)

  - Initial Certification Policy for Provider Aggregatable Address Space Holders (2008-08)

  - ASPLAIN Format for the Registration of 4-byte ASNs (2008-09)

RIPE PDP Update - Ongoing

- Review

  - PI Assignment Size (2006-05)

  - Enabling Methods for Reallocation of IPv4 Resources (2007-08)

Worldwide look by Topic

Worldwide Look - IPv4

- Minimum allocation size

  - APNIC accepted and implemented a /22

  - /22 for Caribbean portion is in Last Call in ARIN

- Reducing allocation period

  - APNIC discussing a change from 12 to six months

Usage of last blocks

- Dedicated IPv4 blocks to facilitate IPv6 Deployment, Last Call in ARIN
  - Reserve a /10
  - Assignments for key dual stack DNS servers, and NAT-PT or NAT464 translators
- APNIC accepted
  - Use of final /8
  - Ensuring efficient use of historical IPv4 resources
- LACNIC accepted
  - Reserve a /12
  - /22s for "new" ISPs and critical infrastructure

Transfers

- ARIN has discussed two transfer proposals
  - Transfer proposal (now abandoned)
  - Emergency Transfer proposal
- APNIC and RIPE also discussing transfers

Transfer Proposals Matrix

	APNIC	ARIN	RIPE
Be a member of the RIR	X	X	X
Prior RIR approval (need must be justified)		X	X
Min Block size	/24	Current	Current
Block must be empty of End User assignments			X
Type of address space	All	All	Only PA
Transferring Org cannot receive space within the next 24 months	X		
Transferring Org has not received space within the preceding 12 months			
Recipient Org can not transfer the space within the next 24 months			X
Recipient Org can only receive one transfer within 6 months			
Non-permanent transfers			X

Worldwide Look - IPv6

- Provider Independent (PI) IPv6 Assignments to End User Organizations

  - LACNIC accepted a /48 (minimum)

  - ARIN, APNIC and AfriNIC have as policy

  - RIPE discussions to be resumed

Worldwide Look - ASNs

- Reservations for documentation purposes
  - APNIC reached consensus
    - 16-bit and 32-bit ASNs to be reserved

- Change for 32-bit ASN assignments timeline
  - By 1 July 2009 APNIC will assign 16-bit AS numbers if a 32-bit AS number is demonstrated to be unsuitable

- Format for delegation and recording of 4-byte AS numbers
  - ASPLAIN vs ASDOT
  - Under discussion in RIPE
  - APNIC reached consensus

Policy Proposal Archives

- 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/archive.html

- LACNIC:
  http://lacnic.net/en/politicas/propuesta-politicas.html

- RIPE:
  http://www.ripe.net/ripe/policies/proposals/

- RIR Comparative Policy Overview:
  http://www.ripe.net/info/resource-admin/rir-comp-matrix-rev.html

Questions?