ASO Report

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ICANN 41

Singapore

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Recent Milestones in IPv4 Activity

- 2 Feb 2011: IANA allocates last IPv4 "/8" block
- 15 Apr 2011: Final rationed IPv4 address space in APNIC

Current RIR IPv4 Inventory

Regional stocks of IPv4 addreses (/8s)

Number Resource Organization

Region	/8s
AFRINIC	4.33
APNIC	0.98
ARIN	5.99
LACNIC	4.16
RIPE NCC	4.49

Preparations

– Education and community outreach

– IP address requests processing changed from parallel to serial

Down to the last /8 – 15 April 2011

– Final rationed IPv4 address space in APNIC

– Maximum allocation size = /22 (~1K addresses)

Ongoing work

– IP transfers within region

– IP transfers between regions

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Lunch Discussion Agenda

1. How can ICANN and the NRO **better collaborate** on matters pertaining to **Internet governance**?

2. How can **cross constituency communication** occur **between the ASO and the other SOs** as well as the cross constituency communication **between the RIRs and the other SOs and their constituencies**?

3. IPv4 address re-allocation by IANA without global policy

4. IPv4 **address transfers** between: members within a single RIR, and between members of different RIRs

5. How can **ICANN** assist the RIRs in **promoting IPv6**? Promotion, education, new terms for registry contracts?

6. Rights for IP Registrants

7. RPKI

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Agenda

1. About the ASO: MoU, Global Policy, Address Council
2. Policy Development Process
   RIR PDP: Principles, Roles, Basic Steps
   Global PDP
3. NRO Update
4. IANA Update
5. World IPv6 Day
6. Policy Discussions:
   Global Number Policy and Global Proposals
   Regional Activities: AfriNIC, APNIC, ARIN, LACNIC, RIPE NCC
7. Closing: Questions and Answers, How to Participate

Please ask questions at the end of each section.

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ber Resource Policy Development Act

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Global Proposals - Compared

Global Proposal	RIR return of address space to IANA	RIR Eligibility
GPP-IPv4-2009	Mandatory	Need based
GPP-IPv4-2010	Voluntary	Need based
GPP-IPv4-2011	Voluntary	Equal distribution to RIRs

[GPP-IPv4-2011] Global Policy for post exhaustion IPv4 allocation mechanisms by the IANA

- Allows IANA to receive address space from the RIRs
- Allows IANA to allocate space back to the RIRs
- Status:
  - AfriNIC – Last call
  - APNIC – Adopted
  - ARIN – Under discussion
  - LACNIC – Back to the list for further discussion
  - RIPE NCC – Under discussion

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Watch the ASO AC site for news about new and active global proposals

– http://aso.icann.org/global-policy-proposals/

Participate in the Policy Discussions in your RIR region

– Global proposals are discussed on the RIR's policy mailing lists and at open policy meetings

– Subscribe and participate on the appropriate list and attend open public policy meetings (remote participation enabled)

• Open, no membership requirements

• State your opinion

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IPv4 policies: allocation, reclamation, transfer (50)

IPv6 address policies (6)

WHOIS changes (7)

Other (5)

Total: 68 regional policy proposals

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NANOG 52, World IPv6 Day Experiences panel:

http://www.nanog.org/meetings/nanog52/abstracts.php?pt=MTc2Ni
ZuYW5vZzUy&nm=nanog52

Major Carriers, ISPs, CDNs, Content Providers (eg. Yahoo):

"It felt like Y2K. After the preparations were completed, most everything worked very well."
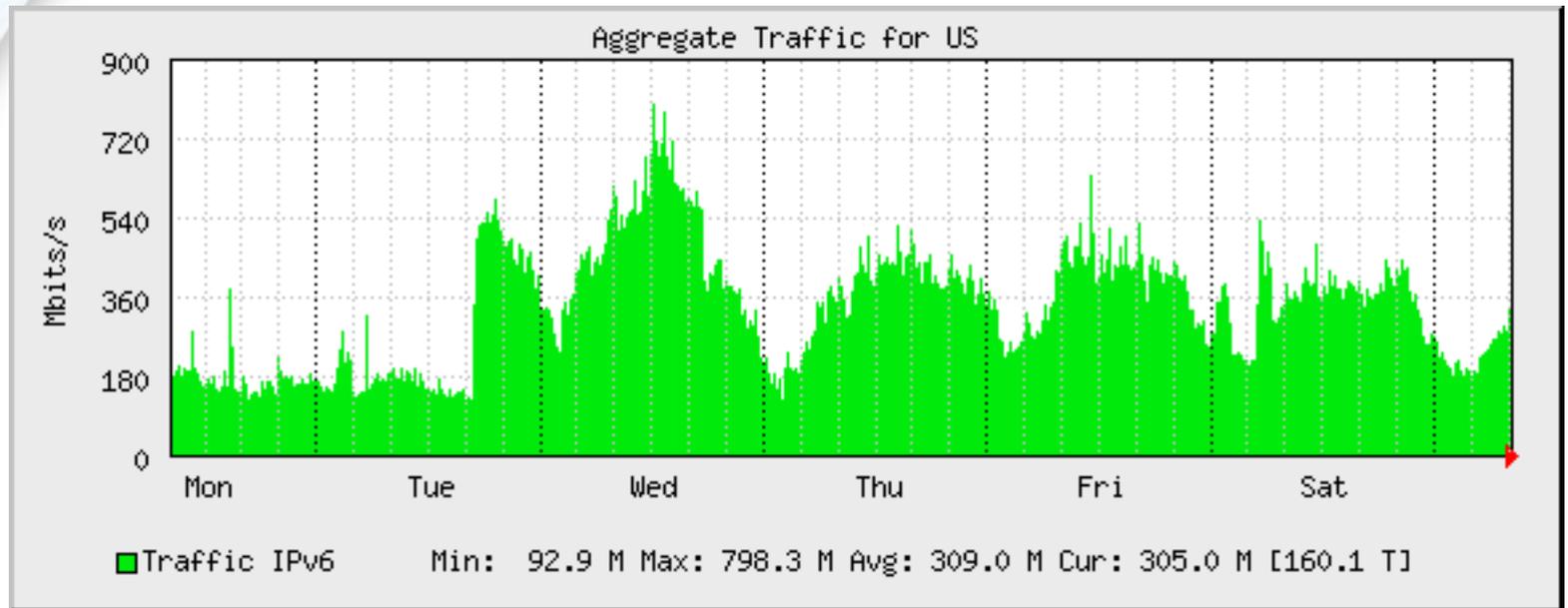
Enterprise:

"World IPv6 Day gave us the management visibility and support we needed to dedicate resources to implement IPv6."

Internet Society

http://www.worldipv6day.org/

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IPv6 traffic on Equinix Exchange:

http://www.worldipv6day.org/

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Thank you.
Questions?

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