

ASO Report

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IANA IPv4 Free Pool Exhaustion



Ceremony for Allocation of Last Five /8s



ASO Workshop at ICANN 40





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Agenda

- About the ASO: MoU, Global Policy, Address Council
- 2. Policy Development Process

RIR PDP: Principles, Roles, Basic Steps Global PDP

- IANA Update
- NRO Update
- Impact of IANA's IPv4 Free Pool Exhaustion
- Regional Activities: AfriNIC, APNIC, ARIN, LACNIC, RIPE
- Global Number Policy and Global Proposals
- Closing: Questions and Answers, How to Participate

Please ask questions at the end of each section.

The ASO is a supporting organization of ICANN



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IPv4 Depletion Situation Report

Each RIR received its last /8 from IANA on 3 February 2011.

The IANA free pool of IPv4 addresses has reached 0%.

While each RIR currently has IPv4 addresses to allocate, it is impossible to predict when each RIR will run out.



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What does this mean for:

- Broadband Access Providers?
- Internet Service Providers?
- Internet Content Providers?
- Enterprise Customers?
- Equipment Vendors?
- Government Organizations?



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Active Global Policy Proposals

Global Policy for IPv4 Allocations by the IANA Post Exhaustion

- Allows IANA to receive address space from the RIRs
- Allows IANA to allocate space back to the RIRs
- Status:
 - AfriNIC Discussed/presented and sent back to the list for more discussion
 - APNIC Abandoned
 - ARIN Adopted
 - LACNIC Discussed/presented and sent back to the list for more discussion
 - RIPE Withdrawn



Active Global Policy Proposals (cont.)

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 To be submitted
 - APNIC Discussed/going to last call
 - ARIN Recently proposed
 - LACNIC To be submitted
 - RIPE To be submitted



Recent Regional Policy Proposal Activities (Spring 2011)

Global IPv4 policies (8)

AfriNIC (2), APNIC(2), ARIN(2), LACNIC (1), RIPE(1)

Other IPv4 policies: allocation, reclamation, transfer (28)

AfriNIC (4), APNIC (7), ARIN (9), LACNIC (6), RIPE (2)

IPv6 address allocation policies (4)

APNIC(2), ARIN(1), LACNIC (1)

WHOIS changes policies (7)

- AfriNIC (2), ARIN (2), LACNIC (1), RIPE (2)

Total: 47 policies



Participation is Easy!

Subscribe to the RIR policy list(s)

No membership requirements

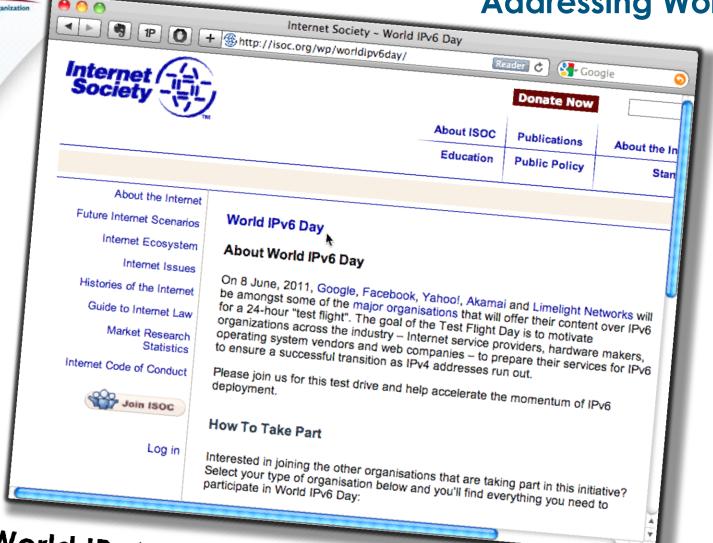
Attend RIR meetings

- In person (open, nominal fee)
- Remote (free)





Interesting Activity in the IP Addressing World



World IPv6 Day

8 June 2011



Thank you. Questions?

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