ARIN Update

NANOG 53 – Philadelphia
10 October 2011

J. Curran
ARIN

Does ARIN still have IPv4 space available?

- Yes, ARIN currently has IPv4 space
- ARIN publishes an inventory of available IPv4 addresses, updated daily, at **www.arin.net** (bottom right of homepage) where you can also find more information about IPv4 depletion.
- Monday 10 October 2011: 5.7 /8's available
- ETA to ARIN Depletion – late 2012

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Specified Transfer Policy (NRPM 8.3)

- Provides incentive for a party that may be able to free up IP address blocks (e.g. by renumbering) to be able to transfer space to a party *which qualifies to receive space per ARIN's number resource policies.*

- Not a market, but enables a market among those who have available space and need additional space

- Prequalification of seller and recipient available via the Specified Transfer Listing Service

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Specified Transfer Listing Service- STLS (optional)

–ARIN doesn't match up parties, but provides a basic service to enable others to do

–Three types of STLS Participants

- Those needing IPv4 space (need has been approved by ARIN)
- Those who have IPv4 space available (resources under L/RSA)
- Those who want to play facilitator/matchmaker

–Can be used to:

- Verify buyers against your eBay/craigslist ad…
- Find address space for customers who need it…
- An interesting Internet-related business brokering for those who know about address space, RIRs, CIDR notation, RIR policies, etc.

–There will be many organizations looking for IPv4 additional address space in the near future.

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Current Draft Policies and Proposals

- 9 Active Draft Policies
- 3 Policy Proposals

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Draft Policies

- **ARIN-2011-1: Globally Coordinated Transfer Policy**
  - Would allow transfers to/from the ARIN region
    - The two RIRs must have compatible transfer policy
    - Need required (transfers are needs-based)

- **ARIN-2011-5: Shared Transition Space for IPv4 Address Extension**
  - Creates an IPv4 /10 to be shared (eg. draft-shirasaki-nat444-03)
  - Under Board review. Board asked ARIN to work with the IETF/IAB.

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Draft Policies…

- **ARIN-2011-7: Compliance Requirement**
  - Ensures that ISPs maintain accurate reassignment information
    - Enforcement via stopping reverse DNS services and possibly revocation

- **ARIN-2011-8: Combined M&A and Specified Transfers**
  - Clarifies that organizations can perform both types of transfers at roughly the same time

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Draft Policies….

- **ARIN-2011-9: <u>Global Policy</u> for post exhaustion IPv4 allocation mechanisms by the IANA**
  - Instructs IANA to accept returned address space and reissue that space to the RIRs (a 1/5th portion to each RIR every 6 months)

- **ARIN-2011-10: Remove Single Aggregate Requirement from Specified Transfer**
  - Removes "aggregate" language from the transfer policy (opposite of prop-153)

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Draft Policies…..

- ## ARIN-2011-11: Clarify Justified Need for Transfers
  - Extends the 12-month supply period for address space to all specified transfers

- ## ARIN-2011-12: Set Transfer Need to 24 months
  - Lengthens the supply period for specified transfers to 24 months

- ## ARIN-2011-13: IPv4 Number Resources for Use Within Region
  - Address space issued solely for use in networks within the ARIN

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Q&A

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