ARIN
American Registry for Internet Numbers
ARIN Update
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2012 Focus

- **IPv4 Depletion & IPv6 Uptake**
  - Developing, adapting, and enhancing processes and procedures
    - IPv4 Depletion Plan
  - Continuing IPv6 outreach
  - IPv4 Transfers
- **Continued development and integration of web-based system (ARIN Online)**
- **RPKI deployment**
- **Continued participation in Internet Governance forums**

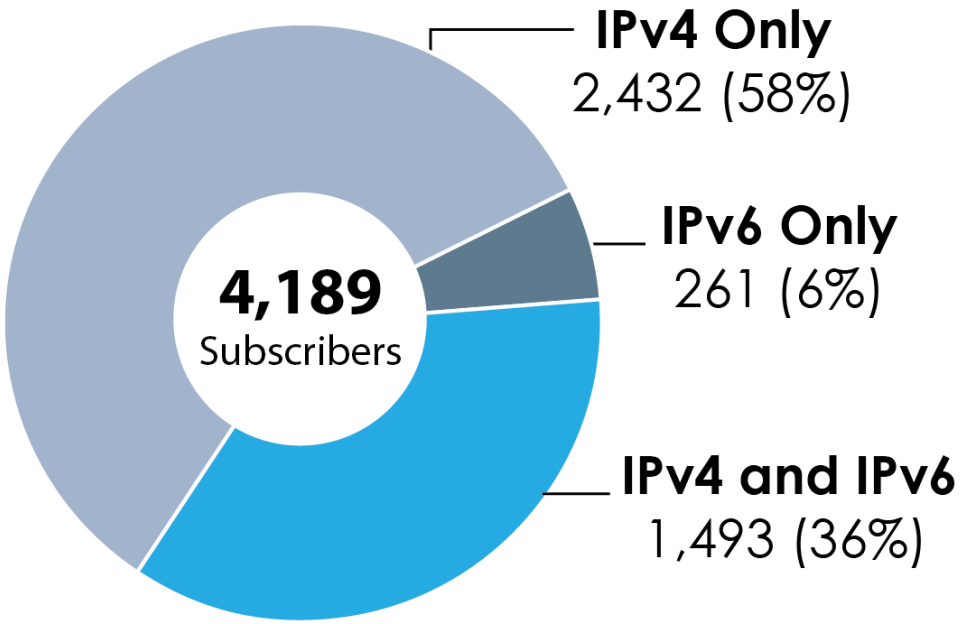
Current IPv4 Inventory

- **3.06 /8 equivalents** in the pool of **"available addresses"**
- **5.09 /16 equivalents** in the "RRH" bucket

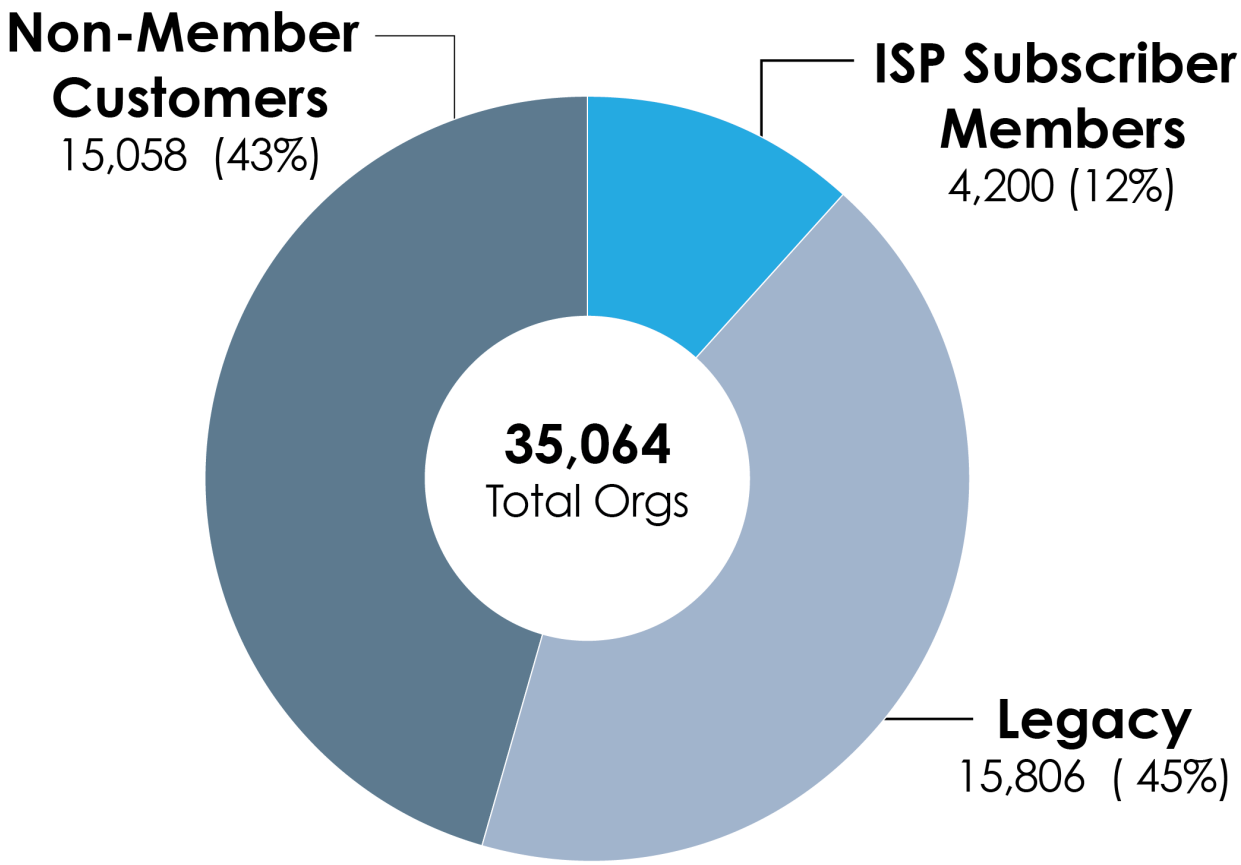
  (RRH = returned, revoked, held)
- **1 /10 reserved**
  - For NRPM 4.10 "Dedicated IPv4 block to facilitate IPv6 Deployment"

IPv4 vs IPv6 Subscribers

Total of 4,189 ISP Subscriber Members

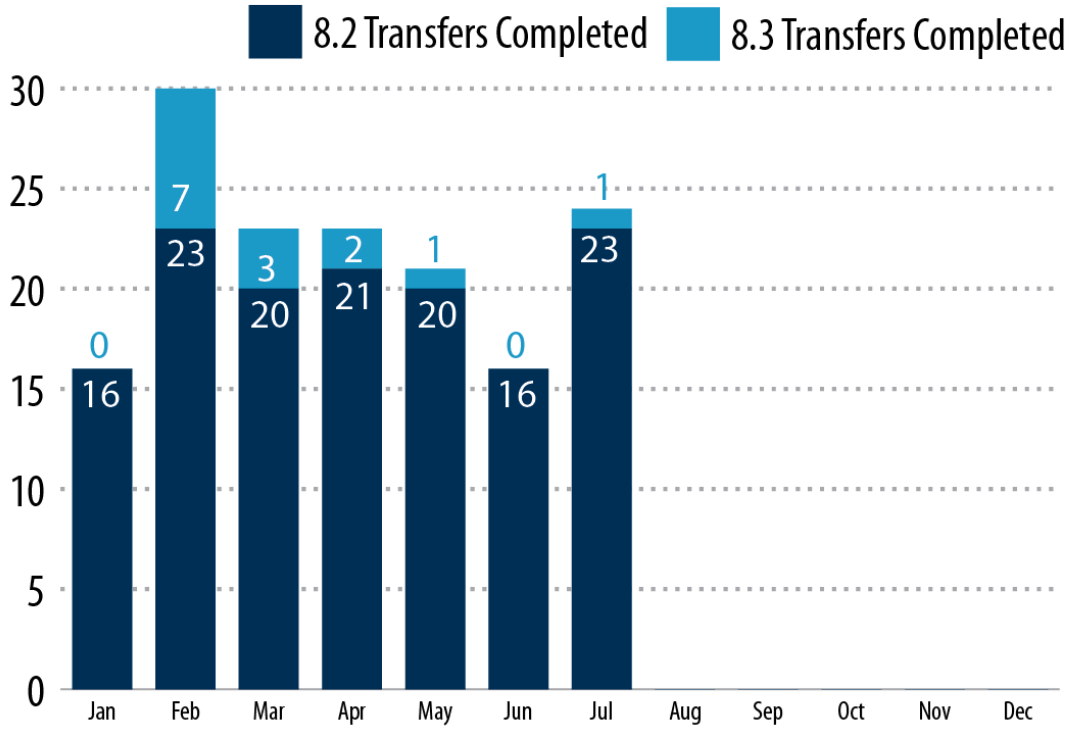


Total Organizations Served by ARIN



IPv4 Transfer Stats

Transfers Completed



*8.2 transfers are Mergers & Acquisitions
*8.3 transfers are to Specified Recipients

Specified Transfer Listing Service (STLS)

- Voluntary listing service established to facilitate the transfer of IPv4 (via 8.3 transfer policy)
  - **"Lister"**- *validated entity that has IPv4 space available for transfer
  - **"Seeker"**- *validated entity that has a demonstrated need for IPv4 space and can pre-qualify under policy
  - **"Facilitator"**- *validated entity that facilitates transfers between agreeing parties

***https://www.arin.net/resources/transfer_listing/listings.txt**

Recently Implemented Policies

ARIN-2011-1: ARIN Inter-RIR Transfers and
ARIN-2012-1: Clarifying Requirements for IPv4 Transfers
Inter-regional transfers may take place via RIRs who agree to the transfer and share reciprocal, compatible, needs-based policies

ARIN-2012-3: ASN Transfers
Added ASNs to "8.3. Transfers between Specified Recipients within the ARIN Region"

Text available at: https://www.arin.net/policy/proposals/policy_archive.html

ARIN Number Resource Policy Manual:
https://www.arin.net/policy/nrpm.html

Policy Proposals

ARIN-2012-5: Removal of Renumbering Requirement for Small Multihomers
IPv4: Removes a renumbering requirement that affects small, multihomed end users.

ARIN-prop-179 Reassignments for Third Party Internet Access (TPIA) over Cable
IPv4: Makes it easier for certain ISPs to get subsequent IPv4 allocations.

ARIN-prop-177 Revising Section 4.4 C/I Reserved Pool Size
IPv4: Increases the reserve for critical infrastructure from a /16 to a /15.

ARIN-2012-2 IPv6 Subsequent Allocations Utilization Requirement
IPv6: Makes it easier for ISPs to get subsequent allocations.

ARIN-prop-175 Aligning 8.2 and 8.3 Transfer Policy
Transfer Policy: Adds some of the 8.3 criteria to 8.2 transfers.

ARIN-prop-180 ISP Private Reassignment
Directory Services: Creates an "unlisted number" state which ISPs may apply to some of their customer IP network address records.

Text available at: https://www.arin.net/policy/proposals/

Public Facing Development Efforts

- **RPKI**
  - Hosted: To be completed in Sept 2012 – final preparations done
  - Delegated: To be started after Hosted deployed
  - Pilot (up since 6/2009) will be decommissioned after Hosted Deployed
- **ARIN Online**
  - Billing integration initiated

2012 Outreach Events

Upcoming Events include:

- Caribbean Telecommunications Union ICT Roadshows – St. Lucia, Barbados
- ARIN on the Road (Louisville, Minneapolis)
- Interop New York
- ICANN 45
- NANOG 56
- Canadian ISP Summit

Upcoming ARIN Meetings

Spring 2013 – *in progress*

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