



ARIN Update

APNIC 33

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2012 Focus

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

ARIN Inventory Report

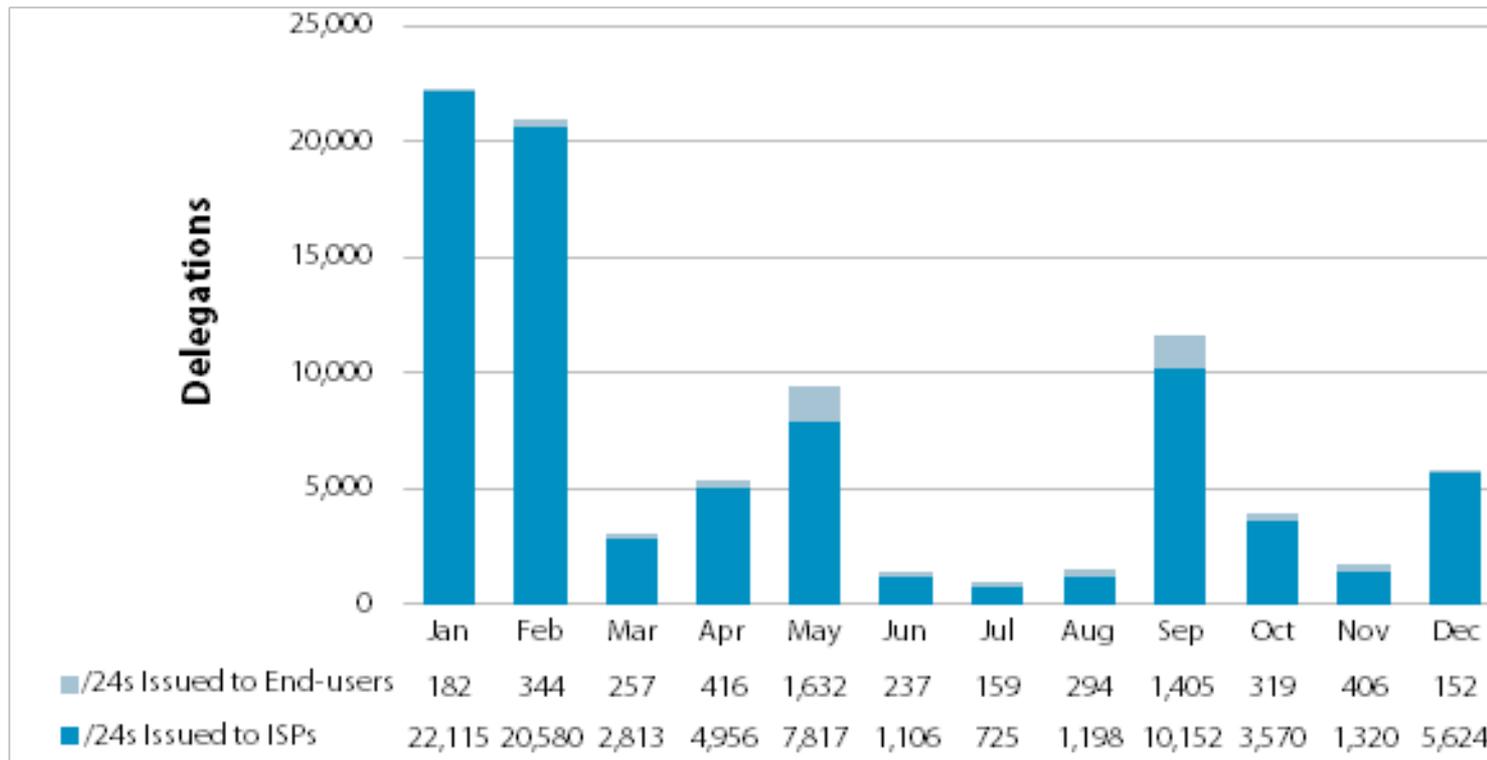
~5.32 /8s in available inventory

The screenshot shows the ARIN website homepage with the following elements:

- Header:** ARIN logo and navigation menu (NUMBER RESOURCES, PARTICIPATE, POLICIES, FEES & INVOICES, KNOWLEDGE, ABOUT US).
- Left Sidebar:** ARIN ONLINE login section with fields for username and password, and a log in button.
- Main Content Area:**
 - Top Banner:** "WHERE WILL ARIN BE NEXT? VIEW OUR CALENDAR" with an illustration of a man with a telescope.
 - HIGHLIGHTS:** Links to IPv6 Info Center, IPv4 IANA Free Pool Depletion - FAQ, Legacy Resource Information, Pay Invoice, Update Billing POC, TeamARIN.net: Our Outreach Microsites, and Media Information. Includes buttons for Request Resources, Draft Policies & Proposals, New to ARIN?, and Meetings.
 - ANNOUNCEMENTS:** A list of recent news items with dates and titles, such as "Wed, 05 October 2011 Consultation - New Legacy Registration Services Agreement (LRSA 3.0)".
 - IPv4 SPECIFIED TRANSFER OPTIONS:** Three buttons: "Got IPv4 Addresses?", "Need More IPv4 Addresses?", and "Facilitating an IPv4 Transfer?".
 - Bottom Section:** "REGISTRATION OPEN" and "SUBMIT STATEMENTS OF SUPPORT" banners, and a large "ARIN IPv6 SPACE AVAILABLE 5.70 /8s IN AGGREGATE LEARN MORE HERE!" banner.

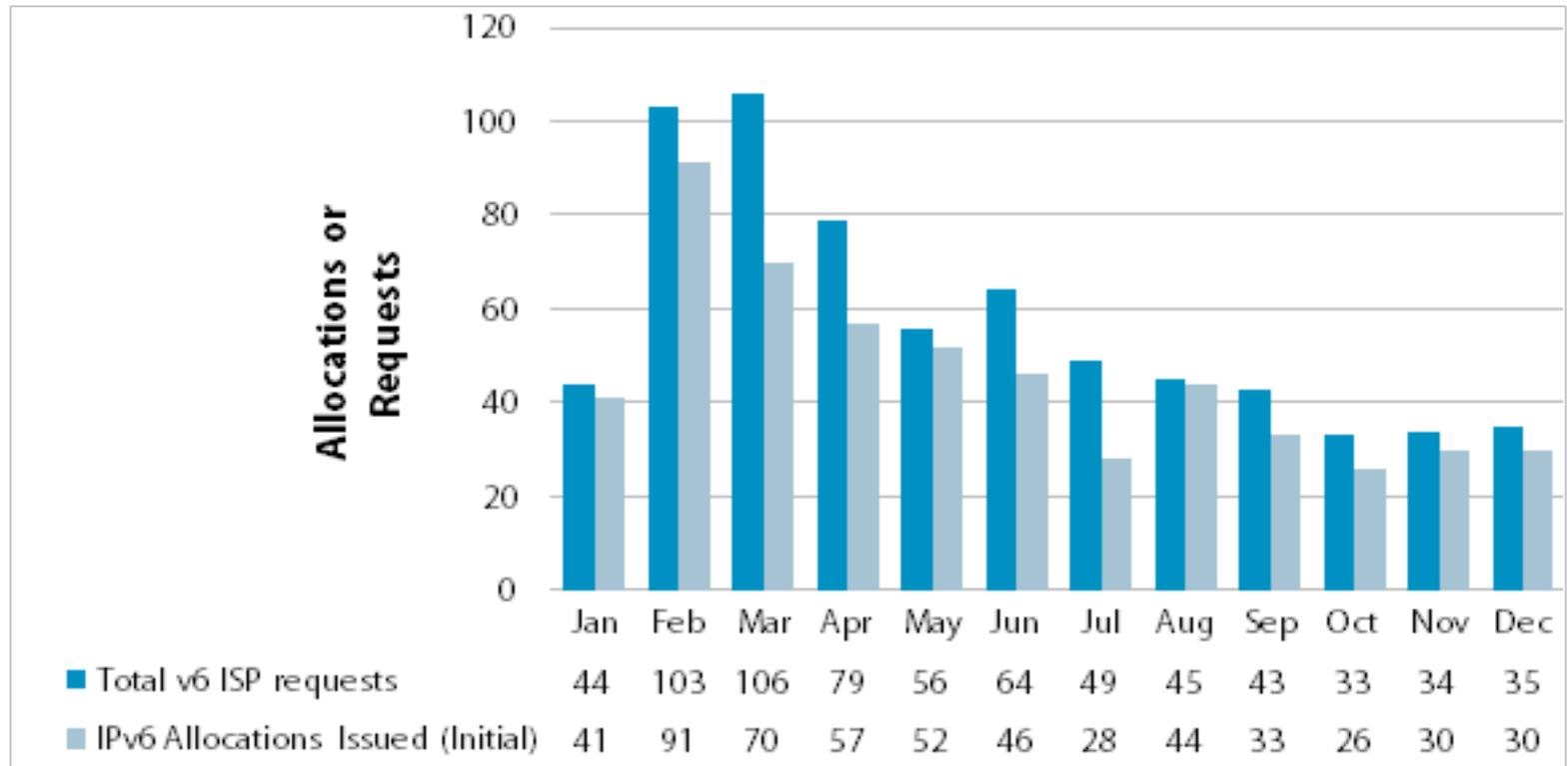
- Doesn't include quarantined space (reclaimed/returned space held for 6 months to clear filters, ~6.5 /16s)
- As of 24 Feb 2012

2011 IPv4 Delegations Issued By ARIN (listed in /24s)



****Feb 3, 2011- IANA depletion**

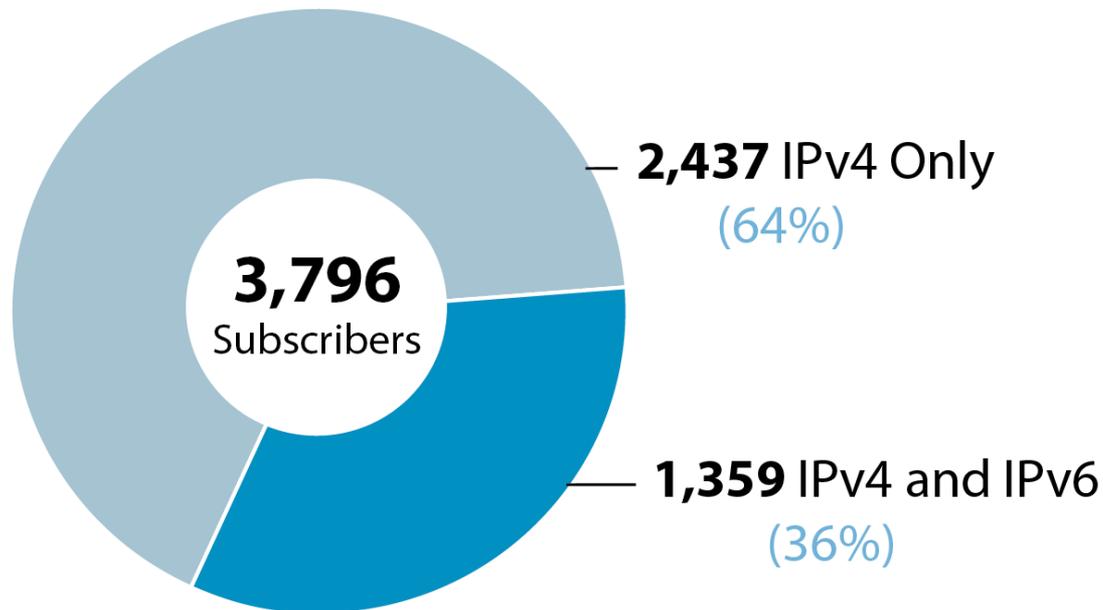
2011 IPv6 Address Allocations and Requests



****Feb 3, 2011- IANA depletion**

ISP Members with IPv4 and IPv6

3,796* ISP IPv4 subscriber members



*as of Jan 2012

New Policies Implemented

ARIN-2011-3: Better IPv6 Allocations for ISPs

- Enables ISPs to request larger blocks of IPv6 space on nibble boundaries
- Fully implemented
 - Initial allocations from /36 to /16

ARIN-2011-8: Combined M&A and Specified Transfers

- Enables transfers to specified recipients during M&A transfers

ARIN-2011-11: Clarify Justified Need for Transfers

ARIN-2011-12: Set Transfer Need to 24 months

- Transfers to specified recipients can be as much as a 24-month supply.

Proposals

- **Under Discussion**

- ARIN-2011-1: ARIN Inter-RIR Transfers
- ARIN-2011-7: Compliance Requirement
- ARIN-2012-1: Clarifying requirements for IPv4 transfers
- ARIN-2012-2: IPv6 Subsequent Allocations Utilization Requirement

- **Awaiting Further Developments**

- ARIN-2011-5: Shared Transition Space for IPv4 Address Extension
- ARIN-2011-9 (Global Proposal): Global Policy for post exhaustion IPv4 allocation mechanisms by the IANA

- **6 additional proposals** (as of 24 Feb 2012)

Text available at:

<https://www.arin.net/policy/proposals/>

Public Facing Development Efforts

- **ARIN Online**
 - Billing integration initiated
 - Working on integration with payment vendor
 - Templates and corresponding RESTful interfaces protected by API Keys
- **Specified Transfer Listing Service**
 - Operational for over a year
 - Allows Buyers (Needers), Sellers (Listers), and Brokers (Facilitators) to find each other
 - Lots of background activity occurring
- **IRR**
 - Rolled out a revamped IRR on September 29
 - Added CRYPT-PW, PGP, and email notification of object updates

Public Facing Development Efforts

- **Value Added Security Services**

- RPKI

- Running into HSM snafus delaying rollout
 - Hosted
 - We hold your private key
 - Managed via ARIN Online
 - To be completed in 2012 –development is underway
 - Delegated
 - you build your own RPKI infrastructure
 - Interact with ARIN via “up/down” protocol
 - To be done after Hosted deployed

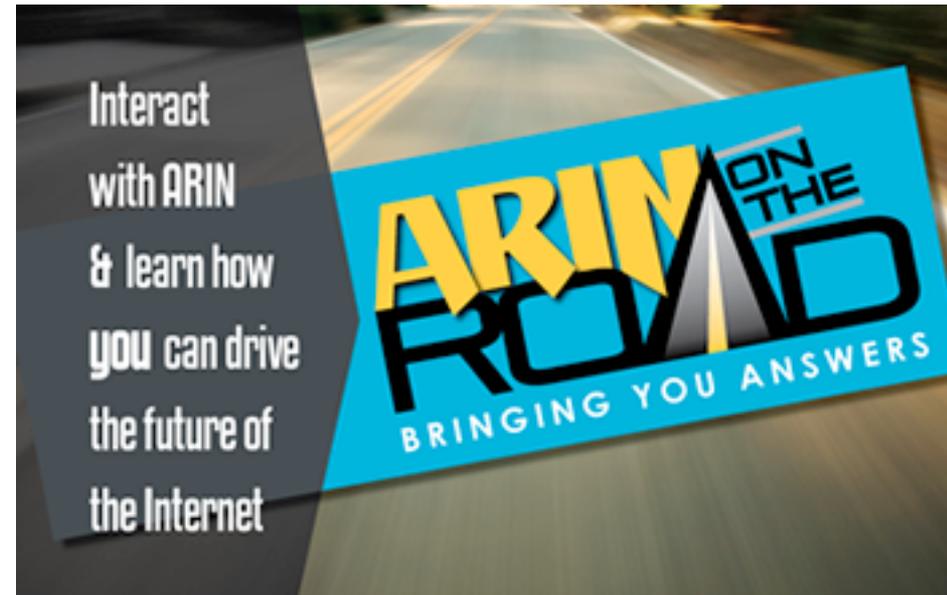
- DNSSEC

- Fully implemented and operational
 - Managed by either RESTful options or ARIN Online
 - Will be only available those who sign RSA/LRSA

2012 Outreach Events

Events include:

- ARIN on the Road (New York, Chicago, more)
- CES
- Internet2 Joint Techs
- V6 World Congress
- North American IPv6 Summit
- Interop
- The Cable Show
- CANTO



Upcoming ARIN Meetings



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