



# **ARIN Update**

**RIPE 63**

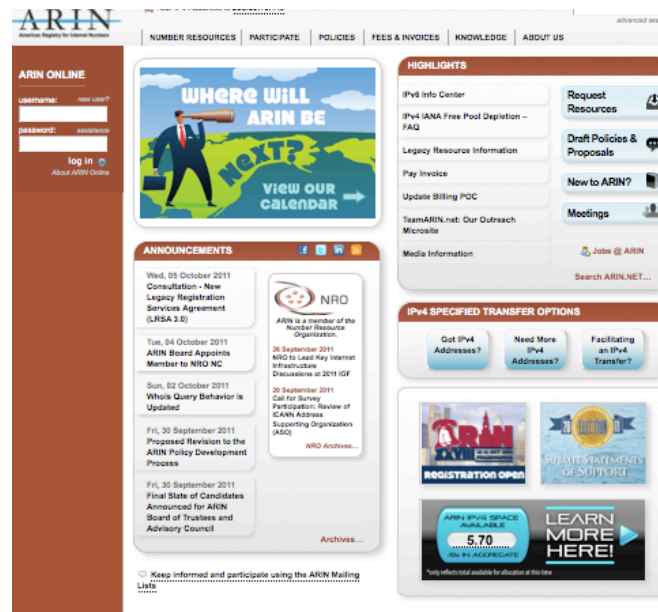
**Nate Davis  
Chief Operations Officer**

# 2011 Focus

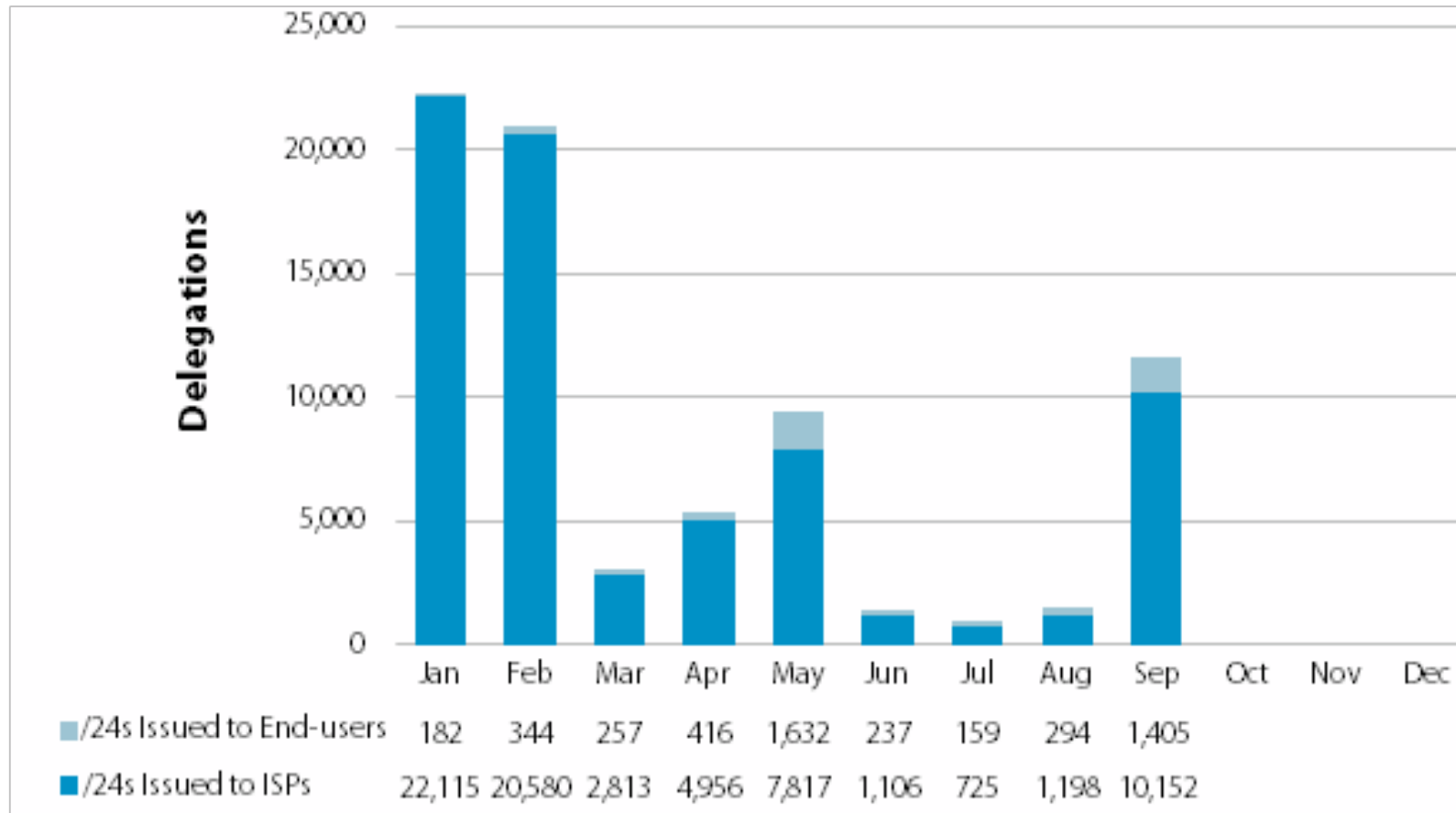
- **IPv4 Depletion & IPv6 Uptake**
  - Developing, adapting, and improving processes and procedures
  - Continue IPv6 outreach
- **Implementation of new policies and services**
- **Continued development and integration of web-based system (ARIN Online)**
- **DNSSEC and RPKI deployment**
- **Continued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

# ARIN Inventory Report

- ~5.67 /8s in available inventory
  - Doesn't include quarantined space (reclaimed/returned space held for 6 months to clear filters, ~6.7 /16s)



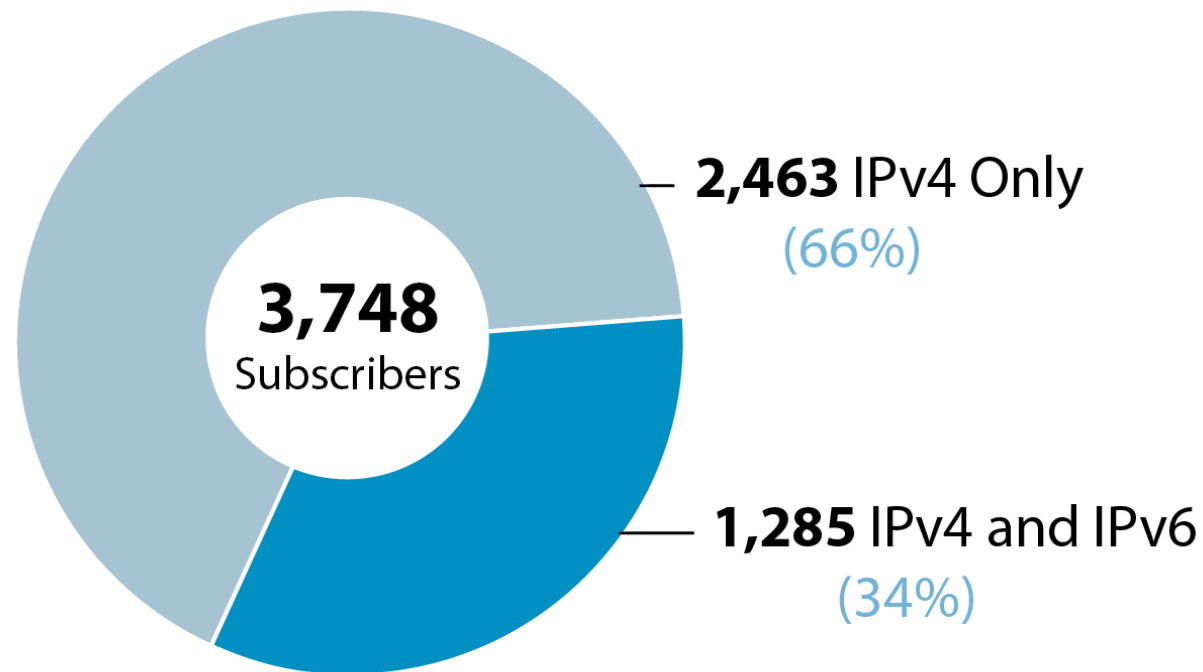
# 2011 IPv4 Delegations Issued By ARIN



\*\*1.16 /8s issued in Q1-Q3 2011

# ISP Members with IPv4 and IPv6

3,748 ISP subscriber members



# New Policies Implemented

## ARIN-2011-3: Better IPv6 Allocations for ISPs

- Enables ISPs to request larger blocks of IPv6 space on nibble boundaries
- Implemented up to /24s

## ARIN-2010-14: Standardize IP Reassignment Registration Requirements

- Expands the “cable IPv4 allocation policy” to all ISPs with residential/DHCP-type customers (lowers utilization threshold, increases utilization information requirements)
- Requires SWIP for /64 and larger static reassignments
- Mandates Abuse POCs

# Proposals after ARIN 28

- **Last call (ends 2 November)**
  - ARIN-2011-8: Combined M&A and Specified Transfers
  - **ARIN-2011-9: Global Policy for post exhaustion IPv4 allocation mechanisms by the IANA**
  - ARIN-2011-10: Remove Single Aggregate Requirement from Specified Transfer
- **Extended last call (ends 16 November)**
  - **ARIN-2011-1: ARIN Inter-RIR Transfers**
- **Need more work**
  - **ARIN-2011-7: Compliance Requirement**
  - ARIN-2011-11: Clarify Justified Need for Transfers
  - ARIN-2011-12: Set Transfer Need to 24 months
- **Abandoned**
  - **ARIN-2011-13: IPv4 Number Resources for Use Within Region**

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

# Public Facing Development Efforts

- **ARIN Online**

- Billing integration initiated
- Templates and corresponding RESTful modules protected by API Keys

- **IRR**

- Rolled out a revamped IRR on September 29
- Added CRYPT-PW, PGP, and email notification of object updates

- **Value Added Security Services**

- RPKI
  - Hosted to be completed in 2012
  - Delegated to be done in 2012
- DNSSEC
  - Fully implemented and operational



# 2011 Outreach Events

Ongoing participation in various local, national and international forums, focus on IPv4 depletion and IPv6 adoption.

## Events include:

ARIN on the Road (Boston, San Jose, Montreal)  
Consumer Electronics Show  
Pacific Telecom Conference  
Joint Techs / Internet2  
ICT Roadshow events  
TTVN  
IT Roadmap  
Game Developers Conference  
Enterprise Connect

Interop  
CANTO  
FOSE  
OSCON  
HostingCon  
Satellite 2011  
The Cable Show  
Light Reading Live  
Rocky Mountain IPv6 Summit



# Upcoming ARIN Meetings



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