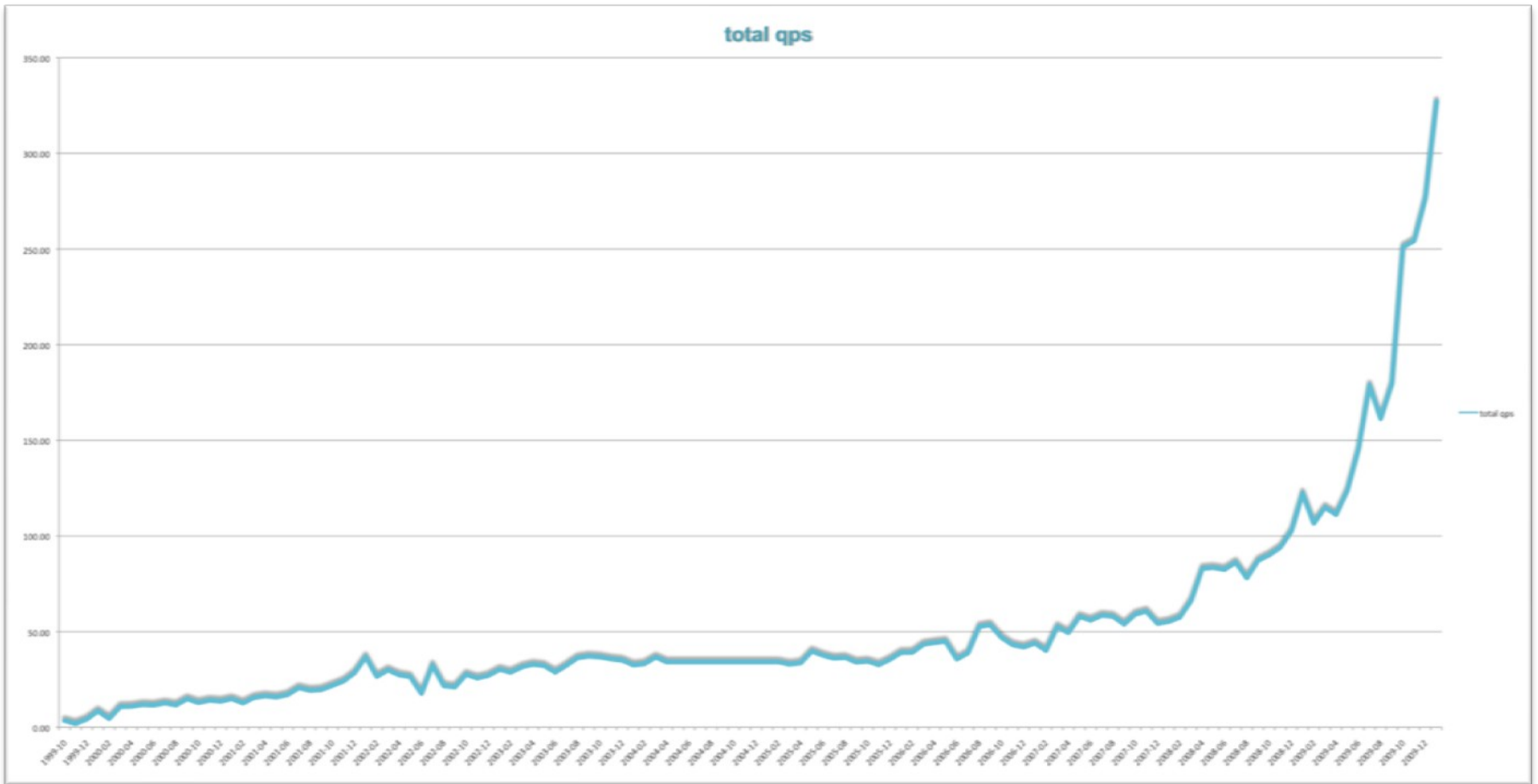# **ARIN Update**

John Curran
RIPE 60
6 May 2010

4-byte ASN Stats

- **In 2009**
  - Received 197 requests for 4-byte ASNs
  - 140 changed request to 2-byte
  - ARIN issued 27 4-byte ASNs
    - 15 exchanged for 2-byte ASNs
  - Total 4-byte ASNs issued in 2009 = 12

- **Typical reason for exchange:** "Upstream said their router wouldn't support 4-byte ASN"

WHOIS Traffic

WHOIS Traffic Loads

- Over 50% of the queries are self-referential

  - 192.168.2.5 asking for 192.168.2.5
  - Most are singleton queries
  - Increasing over the last year

- This may be an emerging botnet that uses WHOIS

- Most seem to be windows boxes

- Any ideas on what code is causing this?

- Replacing legacy WHOIS service with whois-rws to help solve this issue

ARIN
American Registry for Internet Numbers

Public-Facing Development Efforts

- **ARIN Online**

- **DNSSEC**
  - Signing zones now
  - Interfaces to allow you to insert DS records in rolled out in 2010

- **RPKI**
  - Will be a production service at the end of 2010
  - Pilot available at http://rpki-pilot.arin.net

- **Whois-RWS**
  - Will be a production service in 2010
  - Pilot available at http://whoisrws-demo.arin.net

Outreach

- **ARIN continues to participate in various regional, national and international forums**
  - IPv4 depletion
  - IPv6 adoption
  - 4-Byte ASNs
  - The RIR System
  - Policy Development Process

- **Microsite – teamarin.net**
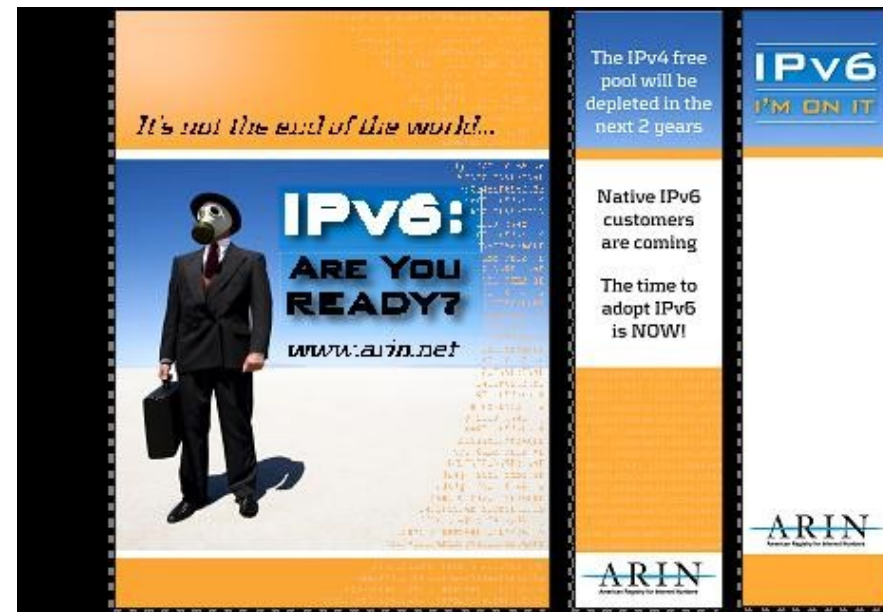
Implemented Policy

- **IPv4**
  - Transfers (2009-1)
  - Last /8, 3 month supply maximum (2009-8)
- **IPv6**
  - Removed requirement to route the single aggregate (2009-7)
  - Multiple Discrete Networks (2009-5)
  - Community Networks (2008-3)

Policy Proposal Discussions

- **Last call**
  1. IPv4 minimum assignment to /24 (renumbering req.)
  2. Initial IPv6 Allocation Criteria – multi-homers to get /32s
  3. M&A Transfer policy – M&A's made easier (unused space to be returned)
- **Work to continue**
  1. Waiting list for Unmet IPv4 Requests
  2. IPv6 assignment criteria
- **Abandoned**
  1. Customer Confidentiality
  2. IPv4 minimum allocation to /23 (renumbering req.)
  3. Standard IPv6 allocation sizes /48, /40, /32, /28, /24

ARIN Meetings
(Atlanta and Puerto Rico)

References

- Proposals and adopted policies
  - https://www.arin.net/policy/proposals/index.html

- Mailing Lists
  - https://www.arin.net/participate/mailing_lists/index.html

Thank you!